

ggtgttttca acagcagctg acaatcagaa tcaggttggg atcaaggtgc tacaaggtga 60
 gagggaaatg gctgtagaca acaaacgct tggagaattt gagcttggtg gcattcctcc 120
 tgccccaaga ggcattgctc agattgaagt cacatttgac atagatgcc aatgggattgt 180
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 <223> Clone ID: 700889085H1

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 gttagccaaa aggggtcaca aaatcacgtt cttgtacct aaaaagcca aactacaact 180
 ccaacacctc aacaaccatc ctcacctcat cacattccat accctcac 228

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<223> Clone ID: 700889086H1

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 gttcggcggg gattcagaag gtaataccgt gtctgaactt cgcgacgggg aaggaagaaa 180
 tgcccaaaaa ggaatgttgc gacgccgcca cggccataaa ggagagca 228

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 <211> 231
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 <213> Glycine max

<223> Clone ID: 700889088H1

<400> 35970

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tgatttagcc gtggaccact taaaacttct tcatggtaga caaacatgag aacacacatg 180
taaaagagtg agaataatttt gtccatagat taatcaaatt aaacacatct a 231

<210> 35971
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<223> Clone ID: 700889090H1
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aatctcttgt ctattaagtt ctgcagattc ctcaaactcc accatctggc tctctatggt 180
tgctgttatc tgccaaacac aaatgaacac aataagcggg cattacta 228

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<212> DNA
<213> Glycine max
<223> Clone ID: 700889092H1
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ggctctgggtg aagatgggtca gctaggaatc ggaagcaacg aagagaaaga atgggtctgc 180
ctcgtcaaag cctccagcc ccaccgtatt cgctccgtcg tcgccggc 228

<210> 35973
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<212> DNA
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<223> Clone ID: 700889094H1
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 ggattgccgg tacttgagtg ggttgaagga ggagagggag agtgccgcag cggtggtgaa 180
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 <223> Clone ID: 700889095H1
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 tgatttagcc gtggaccact taaaacttct tcatggtaga caaacatgag aacacacatg 180
 taaaagagtg agaatatttt gtccatagat taatcaaatt aaacacatct 230

<210> 35975
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889101H1
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 ttctctgcgt gatggttgga gatgggattc aaattcttgg aatggctggt gttactattg 180
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<210> 35976
 <211> 275
 <212> DNA
 <213> Glycine max
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 cgccgattcc accttcgata tccaacggaa gctcgtgcaa gccgctctcg ccgttgattc 180
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<210> 35977
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889104H1

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 aggccagtct cccgccgcag cgccctcgaa cactccggca acccccgccg ccgccactcc 180
 cgcccaagca cttccacac cgaattcacc agccccagtt gtttctccca aatcatctcc 240
 accagcttcg tctcctaagc ccgcaaccgc aa 272

<210> 35978
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889105H1

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 caagaagtga aaagtttgac atgtttatgc acctggacat taattccgag atatatccgt 180
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<210> 35979

<211> 272
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<223> Clone ID: 700889107H1

<400> 35979

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 ggtcggaaat gcttgctggg agctctactg cctcgagcac ggcatcgggc ccgatgggca 180
 aatgccaagt gacaagacag ttggcgggtg tgatgatgct ttcaatactt tcttcagcga 240
 gactggtgct ggaaagcagt gccacgtgca gt 272

<210> 35980
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<223> Clone ID: 700889109H1

<400> 35980

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 aggttcagcg tctcagccaa gagatcaaga ggcttggtga ggtccaagca gatggttctt 180
 acaaggtaac atttggaaac ctatttgacg atgatgaatg cgcaaataata tttgaagcac 240
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<210> 35981
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<223> Clone ID: 700889110H1

<400> 35981

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 aatggcgctg tggttgctga cagcgaggaa ggcaaacag gaatgaagaa ggtcgacaag 120
 ggggcgaact ataagaacaa ggagtaacca caacgatgac aaaactccgg tgcagtgact 180

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<210> 35982
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889068H1

<400> 35982

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 tcggcgattc cggcgtgggc aagtccaacc tcctctctcg cttaccaag aacgagttca 180
 acttggaagt caagtccacc attggcgctg agttcgccac ccgcaccttg aa 232

<210> 35983
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 <213> Glycine max

<223> Clone ID: 700889030H1

<400> 35983

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 aacatcagta gccaatgttt ccaccgaaaa ccatcagaat gctaccagtg ttaagaagac 120
 caggaataga agaacccttc atgagctccc agagccgctt aatgggtcta gtctgaacat 180
 aactgaagaa caagtgaaaa atttgcagaa agaccacttc catggttaaca agtct 235

<210> 35984
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 <212> DNA
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<223> Clone ID: 700889031H1

<400> 35984

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tcacgaagct ttcaaaggca ccgtcgagag gatcactggc cccgaaccg tttccgcctt 180
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<210> 35985
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 <213> Glycine max
 <223> Clone ID: 700889032H1
 <400> 35985

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 caattcccga aaccctaacc ctacctctc gcccccatgc ccatggctaa gaaacgaaag 120
 cttcgatcct ccaaccaga accacacaaa cccgtcgagc cacagcaaca gaaccatgag 180
 actgttgaa 189

<210> 35986
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 <223> Clone ID: 700889034H1
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 tgaactgacc ctggagggtg tcaagcagtt ttatgtcaat gttgacaagg aagagtggaa 180
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 gcagctccat agtgtcgccg ccggaggagc tcgttgccgc cggcagccgt acaccgtcgc 120

cgaagatgac ggcgggcgcg ctgcggaagt ggttcgagga gaagaaccct tccgcagtgt 180
cgggtggaggt cggagagcat gtccagctcg cttataccca ccagaacgag tcgccgtttc 240

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<223> Clone ID: 700889037H1

<400> 35988

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gctcgtcttc ttgggtgacc aatccgtggg caaaaccagc atcatcactc gcttcatgta 180
cgataaattc gataaacct atcaggctac aattgggtatt gattttctat caaaaa 236

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<223> Clone ID: 700889039H1

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tgtggtggtg gaggtcagg agaactcgga cgtgaagacg ctggtgaagc acatgcacgg 180
gaagaagtac tgcgacaaag gatgggaatg taagggtctg tcaatttact gttgt 235

<210> 35990
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<223> Clone ID: 700889041H1

<400> 35990

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cggccacctc acccacggct actacacctc cggcggaaag aagatctccg ccacctccat 180
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<210> 35991
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 <213> Glycine max
 <223> Clone ID: 700889043H1
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 cgttcaactt ggaagaggat catccatttg gtatggagtt gtcttgaggg gtgatgttaa 180
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 <213> Glycine max
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 accgtggcgt ccgattcttc gcaatccttg gactgtttct ctcagaatgg tgctggattg 180
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<223> Clone ID: 700889048H1

<400> 35994

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 aagtataacg tgtgggccag tacccaaaat ggcaacaaga agcttgatgc tgca 234

<210> 35995
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<223> Clone ID: 700889049H1

<400> 35995

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 ctatgggtat gctagctccc ctggcaagag atcttcaatg gaagattttt atgagacaaa 180
 aattgatggt gttgatggtg aaattggttg cctttttgga gtttttgatg gccat 235

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<400> 35996

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 gtggatgctg gaggctactt cttcagttga agaaaacaga ctgggagtgg actttgcaga 180
 aatctaccga aaatcaagtt tatgtcaata taacctagag ttggttgaaa gg 232

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<400> 35997

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 gcccccaagt agaactgata attagttgca attttaaaag attgtgattg ttgggattgc 180
 agagagaagg gtggttagtg ttagaatagg ctgagtgtgg atggggaaag agga 234

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<400> 35998

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 tcaggcttgg ctgaaggctt cggggaaaac atgcatccaa ctcatggctt actttataag 180
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<400> 35999

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 atcaccgatc ttcctctcca gaggacgtgg acagatcctc gaagcgtcac aagcaccgcc 180
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<223> Clone ID: 700889057H1

<400> 36001

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 cgcagagttc cacgcaactc tgattttcgt gttagctggt gttggatcag ccacgctta 180
 caacgagctt acaaaagatg cagccttgga tccaacgggg ctggtggcag ta 232

<210> 36002
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889058H1

<400> 36002

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 cacaggtatc aacaagatga ccagttacc ctttgggtga acaaagttgg tccttataac 180
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<210> 36003

<211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889059H1

<400> 36003

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 agaatggtga ctacgtggcg gtgagggagc tgaaggaggt gaagaagggtg ttttggattg 180
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<210> 36004
 <211> 231
 <212> DNA
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<223> Clone ID: 700889060H1

<400> 36004

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 gccagatggt ggcaagcga agaggaggac aacctgctga acgccgagca ccacttcgcg 180
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<210> 36005
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889061H1

<400> 36005

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 tgcagcaggg tggccaactt ggttttcttc tggtgctggt gaagctgtcc aagggtggat 180
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<210> 36006

<211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889062H1

<400> 36006

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 ggagatgtgc ttattgctgg taaaccact ggatactgtg ctgatgactg ctcagcaatt 180
 gcggactctg gaacttcttt attggctggt ccaacgactg tggttactat ga 232

<210> 36007
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889063H1

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 cacaagagcc ttctccagag tgatgctctt taccagtata ttctggagac ca 172

<210> 36008
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 <212> DNA
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<223> Clone ID: 700889029H1

<400> 36008

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 <212> DNA

<213> Glycine max

<223> Clone ID: 700889064H1

<400> 36009

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gattaagtcc ttggttgatg ttggaggtgg cattggaggg tctctttcgg agattgttag 180
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<210> 36010

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<212> DNA

<213> Glycine max

<223> Clone ID: 700889065H1

<400> 36010

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<212> DNA

<213> Glycine max

<223> Clone ID: 700889067H1

<400> 36011

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gatagtttcc aggatactga attttggtat gcggacaagg gagcatatca gggaattcaa 120
ctcggtcacg gggaggctca tttcgaagga ttgttcagag gaaagatgag aagtgggtggc 180
tgccggttcc ttgtgttcac actggggggcc tctctgataa gtcaaggaag c 231

<210> 36012

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888989H1

<400> 36012

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 ggggtggcgaa gatgattgag gtgggtttga acgatcgatt ggggaagaag gtgcgcgtga 120
 agtgcaacga cgatgatacc atcggcgacc tgaagaagct tgtggcggct cagactggca 180
 caagagccga caagatccgc atccagaagt ggtacacat ctacaaggat cacatcactc 240
 tcaaggatta cgag 254

<210> 36013

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888990H1

<400> 36013

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 tcatgttggt tgtgtgccat tcccagcaca aggccacgtg aaccctttta tgcaactaag 120
 caaactcctt ctttgaccg gtttccacat aacctttgtg tgacaccgag ttcaaccaca 180
 agcgtttggt gaagtctctt ggacaagaat ttgtcaaggg acaacctcat tttogatttg 240
 agaccatacc 250

<210> 36014

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888992H1

<400> 36014

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 ttgatcgact tctcactgaa aaggttggct ggcaggatca agccatatgt gctatcagtc 120
 aaactttgtc cttttgtaa tctggtgcag gaaagcgtag aggctcaa at ggtagagcag 180
 acatatgggt ggctttcctt ggacccgata gacttggaaa aaggaaaatt gcttcagttc 240

ttgcagagac ta

252

<210> 36015
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700888994H1

<400> 36015

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gggggtattgc tgaagcttgc tcagtactaa agagggtcgg gccccgcatt taccctgggtg 120
atggagctgt tttaccactc gacattatct gtcttcactt agagaaggct ggactggaga 180
ggttaaattc tgggggttgaa gctgttggag atgaagatgt tgcaagagcc cttgtttctg 240
cttctaagggt tgc 253

<210> 36016
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700888995H1

<400> 36016

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cctggacttg cttgcatact ctctctgttc tttctattca aagatctgta aatttatata 120
ttatctttta tcatatatag tattagtata gtccacttgt ttaaaccacc tgtgttgcac 180
attctgaatc ctatcatctt gtggctttga tgtctagagc attggaacat gattacatag 240
ggttggcaga g 251

<210> 36017
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700888996H1

<400> 36017

ggatgatcaa tctgttctgg ttgcaactta tgaaggagag cacaatcata cacacccttc 60

tcaaattggag gtaacaacag gttccaaccg ttcagtatca tggtcagcgt ctcttagctc 120
 ttccgcacca acagttaccc ttgactggac aaaatccaag tccagcagtg agtctaagaa 180
 tgtaaattccc aaaactgaat caccagaagt cccgcagggt ttggtagaac agatggctac 240
 ttccttgacc aaggat 256

<210> 36018
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889003H1
 <400> 36018

ggaggaggat ggtgcaacaa tgtagagagt tgcctttacc gtaaggatag tcgcttaggt 60
 tcatctaagc aaatggagga tctttacttt tctgcaatth taagcaacga acaagagtat 120
 aatccagatt tctacaattg gaatagagtc aagggttaggt actgtgatgg gtcactgtht 180
 actggtgatg tggaagaagt tgatcaaaca accaatttgc acttcagagg agcaaggatt 240
 tttt 244

<210> 36019
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700889005H1
 <400> 36019

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 agtgcaacag cgatgatacc atcggcgacc tgaagaagct tgtggcggct cagactggca 180
 caagagccga caagatccgc atccagaagt ggtacaccat ctacaaggat cacatcactc 240
 tcaa 244

<210> 36020
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889006H1

<400> 36020

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 tttattgaga tatgcatcat gctatgtgcc gaccatgggc cttgtgtctc tgggtgtcac 120
 aatactattg tgacagcaag ggctgggaag gacctagttt ctagtcttgt atcaggtttg 180
 cttacaattg gtcctcgatt tgggggtgcc attgatgatg ctgctcgcta cttcaaggat 240
 g 241

<210> 36021

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889008H1

<400> 36021

caaaatctct tcggctctct ctcttttcca tatccatata tatctccaaa ccctaccgtt 60
 aggttcccca attcaacacc ccgtggggccg gtgcgctgct tctttgttcg tacggtttcc 120
 gtcgattgcc tccgaaacga tgctgatatc cccaagcggg aactccagga ccgatgtccg 180
 ccgcaaccgg tacaaggtag cggtggacgc ggacgaaggt cggagacgac gagaggacac 240

<210> 36022

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700889010H1

<400> 36022

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 gtgatgatat cgatcctaac aacatacccc aaattctgta tgaagacgaa gatcatgata 120
 aagttgtatt ggcttcagac agtgatcttg cagcagctgt ggatcatgca aggacagctg 180
 gtttgaaggg gttgaaattg catttggact acgcaggacc acgtgataat gtgaaagg 239

<210> 36023

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700889013H1

<400> 36023

ggaggttggt gccgagtctg gtgatggaga tgatgatggt gaaggagatg atgattatta 60
gagtgtgtca aatatctcct atatcgtggt tgatgattag agtgtgtcaa atatctccta 120
tatcgtgttt gatgatgtgc actttttcgt tttcttttgg acaaagtttt atcatgtgtg 180
gtttttgaat gatgattggt aatcaatata tgtgctatgt aagtttctat 230

<210> 36024

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889015H1

<400> 36024

cggtgattga catgaagcac atctatggcg gggatgagag gcggagggcg gagacgctcc 60
ggctcgtgtc ggaggcatgc cggaatggg gtttttttca ggtggtgaac catggggtga 120
gccatgagtt gatgaagggg gcgagggagg tgtggaggga gttctttcag cagccacttg 180
aggtgaaaga ggtgtatgcc aatacacccc tcacttatga agggatatga agcaggttgg 240

<210> 36025

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700889017H1

<400> 36025

actgtggcca ctccacagca cttctttact gcagagccga ttcagcaaaa ctctgtttct 60
cgtgcgatcg cgaggttcac tccaccaacc agctcttctc gaaacacacg cgcacgctgc 120
tctgcgacgc atgcgatcat tcccctgcc ccatctctg ttcaccgac acctctgttg 180
tgtgccagaa ctgcgactgg gagaagtaca accctgcgct ctccgattcc cttcacga 238

<210> 36026

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700889018H1

<400> 36026

agaagttaaa gaagagggta tttttactcg taccagtact tttgagagta tcgtttatct 60
ggaaagcata gaacaggggt ttattccctt gactcgtatt gaagataatt tgaatgggac 120
acaaattgcg gatgaagctg gcgagttatc tgtatttttg ggtggaccac ttttttactg 180
gtgggaattg aacttaatta gagattagat tgcgcaaaaa gcttcaggat tgt 233

<210> 36027

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700889019H1

<400> 36027

cttttggaag agggaatcca accagaacaa acggacaaac tgaacagtca agtaccttgg 60
tagggcatta atgcgtgatt ccttcaagtg tatagcacta cggcccaata caagtgaagc 120
cttttcagtt tgtccgtttc ttttggaaga gggaatccaa ccagaaggct aagattttgc 180
ggaaagtaga ttatcctctg gagttggatg tttatgattt ttgttctgac g 231

<210> 36028

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700889020H1

<400> 36028

gtcgcgttgt gttgcgtcgt gtcgtgcgct gttcctctgt ttctcgtttt tgtgttcaga 60
ccgaacccta gtcgcgcgtc gcaaccatgt cgaccaagca aggtggaaaa gctaagcctt 120
tgaagaaacc caagtctgat aagaaggatt acgacgagat tgatgtggct aacattcaga 180
agaaaaagga agaggagaag gcgctaaagg agttgaaagc caaggcgcaa cagaagggaa 240

<210> 36029

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700889024H1

<400> 36032

cgggcaaattg cagatgcaga tgcaacaaac gcagcagcag ctgcaggcca cggcggcacc 60
attctcgacc tccactctctc ctctctctcc tcttctctcc ggcgggtccg cgtccgaagc 120
accgccgaag caggtggctc aagcaatgga caagctcgga caagccgaac gaatcatcgc 180
cgacatccga atcggcgccg accgcctcct cgaagcgctc ttcgtcgcgg cggcgcagct 240
c 241

<210> 36033

<211> 244

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700889025H1

<400> 36033

ngcggagatc ttctctcagt cgttagggtt tcgtgtgcta acaaccagga gttgtgtgat 60
atntagtaaa atgggtgaga ctggaaaacg atatcattcg cagagagacc atgatgggga 120
caggaaacat caaaagagac gaatgactga cagagatgat aggggcaatg atgaattgat 180
tgtatatagg atactctgtc cagatgaagt tattgggagt gttattggga ggaatgggaa 240
agtg 244

<210> 36034

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700889026H1

<400> 36034

ctctcacgcc acccacccc accaccgcag gacgacgacg acgacgaacg acccacggtt 60
taccctccgc cgggaaactc cttcagcaac ccgccacctc cggttctacgg cgtccctcaa 120
ccaccacccc ctccagccgga gaccacgtg ttccattccg ctccagtgac accaggacac 180
gtgtcccatg acttcaacaa ctactccgct ccccccgtc caccoccttc ccac 234

<210> 36035
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889027H1

<400> 36035

gggcaagctg ggaagtgtct tccaggcgtt ggcgcggagc gtgtagagct tgacctggga 60
 gtcgaaggag cggtcatgaa ggtcgacgaa ataagagatg cggacgagct tgtagtcgcg 120
 agttttatgg tcgaagccga agccgcagac gcgggcggca aagagcgtcg tgtcggggtg 180
 acggcggcgg gggacagggg ggtaaggaag aatacgggtgt tggcggaggg agggg 235

<210> 36036
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700889028H1

<400> 36036

agttcatcaa tattctggta ggtataatat cttcatgaat ctaatataac gttattcata 60
 gtgaaaataa atcgagccaa ggaatttatt aataattgtc ttcatttcatt attagctgcc 120
 tgctgcgact tccttatgca taattttact gtttatagaa attgtgaagc tatactgttg 180
 taattgtcat gtaaattggt ccctttttca tcttacttga tttggtaaac tccggt 236

<210> 36037
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888987H1

<400> 36037

ccatcatttc cttgttcttc ttccttctct tcattctgtc tctacccttc aacgcaactt 60
 tctatgtgtt ctantgagct tccaatatgc tcacgccttg ctatcgtagt tgcaccctcc 120
 aaactccttc ccttttcttt catctgttca ggtacttgag gtcaagagaa catattgtaa 180

aactaaaagg gagaaatggc cttagatcac tttgaggaga ctgtgcacca aaaaggagat 240
tggaaatctt ccagtg 256

<210> 36038
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700888948H1

<400> 36038

tacgtgaacg cggacttcgg atccggctcg agcttcttca ctgttctctc tctgagcaaa 60
accgaggatc cctcatagta ttggcaggtc aaatattggc taatgtggat ggggcattca 120
tctatgtaca agcgcactcc ttcgagagat aattcaaaca tggaggacgt ggaagataac 180
tcagatcttt tagacatcgg cctggacaag ggaacctcaa atccttcatt gatgctttct 240
ttaccgcatg tacttgtggc gaccatttct tcattccgnt ttggatacat 290

<210> 36039
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700888949H1

<400> 36039

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accaaagctt gatgagaagc cactcttccc tttgcttctt actaaagacg ggatttgctc 120
gtcggggcag aaagctgttg tttctggcaa caaaagaggt tttgctgata ccatggatgg 180
gttttctcag gggaagtgtg ctggtaatac agggatgaac gcggtgctat cacctagacc 240
ttctggagct caaccttctg ctatgaaaga a 271

<210> 36040
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700888952H1

<400> 36040

acaaaaaagg caatggactc cattgggggc tctatggcta tgtagtgctc atgtagttct 60
 tcttgctgta gaatgtaata ataaacaaag ttggctcttc ttttgagaag ttaccagctt 120
 ttgctgtcca aaattactca atttgcagct gactagaatt cctttctctc ttcagtttct 180
 gcagatgagt aggtaggcaa tttgtgatca ctcccttccc ttttcatgct ttctgtgttc 240
 ccttttccat gcttgtttgt gtt 263

<210> 36041
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888954H1

<400> 36041

gcaaaagcta gcggagaact gatgcagata atgctgcttc catttgctgt gattgcattt 60
 gttggtggat atgcatggc ttctttccaa atgatgattc tcatatatgc tgggggtgtg 120
 gttttcacca ccttgctcac tctccccaat tggcccttt tcaatcggca tccacttacg 180
 tggttggatc caactgaggt ggaaaagcat cccaagccac aaccatctgt caatgtaact 240
 caaaagaaga aaccggttaa gaag 264

<210> 36042
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888955H1

<400> 36042

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 ggatgatgat tatgagagt gtggattcag tgtagacac caggatgagg aggatcagca 120
 ccagtaccag cagcagcagc atcagaatag tgtagatgat gcttccatga aatcaaattc 180
 gaatttgaat gaatttgcgc cgaggagtga ggatgggtgt gatttgaatg ataaggatgg 240
 ggataaggag aggggtgaatg ctg 263

<210> 36043
 <211> 149

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700888956H1

 <400> 36043

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 ttatatatat atatatatat aaatctctac taaaacaaaa acaacaaaca aaacaaaaaa 120
 aaaacaaaca acaaaacaac acacaaaca 149

<210> 36044
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888958H1

 <400> 36044

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 atatctggcc taattttctt cctcaaacag aaatccaaat ccaaaaagtt caacctccct 120
 ccaggacccc ccgggtggcc tattgttggg aacctcttcc aagttgctcg ttctgggaaa 180
 cctttctttg agtatgtgaa cgatgtgaga ctcaaataatg gctcaatctt caccctcaag 240
 atgggaacaa ggaccatga 259

<210> 36045
 <211> 128
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888960H1

 <400> 36045

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 cctctccctt tgtagccac tgggtgtgca caattggcat tacggctcta ttataacatc 120
 atgccaaa 128

<210> 36046
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888962H1

<400> 36046

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 cggcctccag cggggacgcc gcggtcgcca caaggcccaa gacgaagccc aatgacggag 120
 gcaaagacgg agacggcgag gatcccgagc aggccaagct acggggccggg ctcaactccg 180
 cgatcgttag ggaaaagccc aacgtgaagt ggaacgacgt cgcggggcctt gagagcgcca 240
 agcaggcttt gcagga 256

<210> 36047

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700888963H1

<400> 36047

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 cagcgctcgc caaggcacca cgtgcagccg cagctgctgg cagcggaacg cgcttttgcg 120
 acggaggcgg cgaaatcgat atccccgctg gcggatcgcg tgaagtggga ctaccgaggg 180
 cagaggaaga taatcccgtt agggcagtggt ctccccaaag tggccgtgga tgcttacgta 240
 gcaccaacg tggtcctcgc 260

<210> 36048

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 700888964H1

<400> 36048

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 gattattcct tgattctgct gatgtatctg gtcgtcgag ctttaaggaat ttgttcggag 120
 gtgtgggttac cttgcaggga gtgcaaagaa gtcttccaag gagttgtact agtcgcctca 180
 atccaatttt gtgctatttt cctcagcact taattgctgg tgtcaggaca ccactgtttc 240
 ttctcaatgc agcttatgat acttggcaga ttcaagcgag tcttgct 287

<210> 36049
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888966H1

<400> 36049

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 gttcagcggc gatgagctcg caccgttttt cggcttcctt ggagccgcag ctgccctcgt 120
 cttctcctgt atgggagctg cctatggcac agcgaagagt ggcgttggcg tggcttcgat 180
 ggggtgtgatg agaccagagc tgggtgatgaa gtctattgtc cctgttgta tggctggagt 240
 tttgggtatt tatggcctta ttattg 266

<210> 36050
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888967H1

<400> 36050

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 gccaggttca tgctgcagaa gattcacctg tcagtggagg gggcctcagt cagaatggaa 120
 aattcagcta tgggtatgct agctcccctg gcaagagatc ttcaatggaa gatttttatg 180
 agacaaaaat tgatggtgtt gatggtgaaa ttgttggcct ttttggagtt tttgatggcc 240
 atggtggtgc tcgtgctgct gagta 265

<210> 36051
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888968H1

<400> 36051

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 tatgattttc cgtgatgctt ttcctgatgc ctacaggagt cgcataatg aaccctctcc 120

aatagcaagt gcaagggtcaa tgtctttcga ttatagcact cataacgaac cttatcctga 180
 tgcctacagg agtggcatga atgaatcctc tccaatagca agggcaaggg caactcgtaa 240
 tgaaccttat cctaaagagg at 262

<210> 36052
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888971H1
 <400> 36052

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 aactaagaaa ttgttgata atgcatccac tgactttcag aaggcattgc aactgctat 120
 tagatgtatc aatgaccaca aaaagtacta tgaaaagggt ctgcgcaacg ctctaaaaaa 180
 tgttggaact gatgaggatg cactgacccg tgtggtgggc tcaagggctg agaaggacct 240
 cagggacatc aaagagcgat 260

<210> 36053
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888972H1
 <400> 36053

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 tcaagaccgg gtgaggctga tgatagtttt gccagtttac aggcagaagt tgaaaattta 120
 acgatgaagg agcgccagtt agacgaacaa ataagggaga tgcaagaaag actgcgggat 180
 cttagtgaag atgaaaataa tgacaagttg ctttttgtaa ctgaggaaga tataaagaat 240
 ttgcctgct tccagaatga 260

<210> 36054
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888973H1

<400> 36054

gtggaactct ggcttccttc atcaattgta caatctgatt tgagtagcca cgcccaagag 60
 gtatagcatg agtttgaagt tccattgaag ataaatagat tctttctcat acaattctac 120
 attgtagcac ttggccagta tataagattg tgaaattaag gagggtgtaa tattactagt 180
 tctttcttcg gagttgctaa agataagtat ccggttctgt atatagctcg taaaaatttc 240
 tttggttgag ttaatatat 259

<210> 36055

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700888976H1

<400> 36055

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 acctcttcca caccttcac caacctcgag ttcttctcac gcgccaagca gcgcgtcaag 120
 gagggactcg gaaccgcgcg tccatggaag ctcatgttca atttccgatc cttcgccctc 180
 cccgcgcgcg tcggagacgc ggtctcgcgc gtgagggaga acatctccta cttccagatg 240
 aactacgcga tcgtcgtg 258

<210> 36056

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700888978H1

<400> 36056

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 tctctcaag tttctcagag ctctgtgagct caaagtgaag gacgcccttg tcatgtttca 120
 aaacactctc cgatggagga aggacttcaa catcgacgcc cttctggatg aagatctggg 180
 cgaccacttg gagaagggtg ttttcatgca cggacacggc agagagggcc atcccgtctg 240
 ttacaacgtc tacggc 256

<210> 36057
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888982H1

<400> 36057

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 ctagagaacc tggagttaca tttgtggctg ctaagtttga tggatatacta ggacttggat 120
 ttcaagagat atcagttgga tatgctgttc cagtgtggta cactatgggt gaacaaggtc 180
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 gggagcttgt ttttgggtgt 260

<210> 36058
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888983H1

<400> 36058

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 caagtgcgtc ctggtgattc tgttgctgtt attggaactg gaggtgttgg ttctagttgt 180
 ttacagatag ctagagcctt tgggtgcctca gatataattg ctgtggatgt acgggatgaa 240
 aagctacaga aagcaaaga 259

<210> 36059
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888984H1

<400> 36059

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 ggaaataagt agtttaccaa tgcctggaca agttgatctt attaatgggtg gtcctccatg 120
 ccagggtttc tctgggatga ataggtttta ccagagcagt tggagtaaag tccagtgtga 180

gatgatattg gcattcttat cctttgctga ttatttcogg ccaaggtatt tcttggtgga 240
 gaatgtgagg aactttgtgt c 261

<210> 36060
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888985H1
 <400> 36060

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 caaccacttc cttgggacat caggcttaag atagcaattg gagcagctcg tggcctcgca 120
 ttcttgcata catccgagaa agtaatttac agagacttca aggcctccaa tatattgctt 180
 gatgggtcct ataacgcaaa gatatcagat ttgggcttgg caaaactggg tccttcagct 240
 agtcaatccc atgtgacaa 259

<210> 36061
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888986H1
 <400> 36061

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 tccacacaac atac 134

<210> 36062
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888946H1
 <400> 36062

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 gtccagaagc cgcttccggg aaagggtccaa gtgatgacag gtggtgcacc acctcctccg 120

gatgtgattt tcaggatgga agaactagga tttaatgtga ctcattcata tggtttgaca 180
 gaaacttttg gtccggcatc aatttgcact tggaaaccag aatgggacaa tctgcctcaa 240
 gatgcacaag caaaactca 259

<210> 36063
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888909H1
 <400> 36063

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 cttgctcgat ggatctgtaa cagctaccgg ttctatcttg gggtagaact tctaaaatgt 180
 gaaggcagtg aatccattct caagtctctt tggcatcact cagatgcagt tttgtgctgc 240
 tcttttaaagg cattaccgt tttcacgt 268

<210> 36064
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888910H1
 <400> 36064

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 tgtttccata gacgacgctt tcggcatcga cgacaccaat ctcttcaga aactcggcct 120
 ccaaaccctc attaacctct ccaccaattt ctacaacagg gtttacgatg acgaggaaga 180
 atgggttcgt tcaatattcg cgaattctga gaaggagaat gccattcaaa accaatacga 240
 gttcttcgtg cagcgaatgg gtggtc 266

<210> 36065
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888913H1

<400> 36065

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 cgtctgcggc gagtgcaaga acggccttctg ggaatccatg cccacgccgt cgcgtctctg 180
 ctccccctcc gcctcctccg acgacccta ctctggctcg cagtctctcc aggtccttctg 240
 cctaatacgt cagtcggcgc gtgacga 267

<210> 36066

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700888914H1

<400> 36066

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 tcgcccagca aagaaccctt tttgcgtgaa gggtcgcgtc tactgtgacc cttgccgtgc 120
 tggttttgag acctcagcaa ccacctacat tgccgggtgct gagattatgt tgcaatgcaa 180
 gaggagggtt agcaacgagg ttgtgtacac caagaagggg tacactgact caactggagc 240
 atacacaatg tacgtggacg agga 264

<210> 36067

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700888915H1

<400> 36067

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 tagccaatgc tatcaagcca gctcagcaac caataattga atctgttaaa tgaaatcctt 180
 tagatgcctt ggtggattga tcttcctttt aggtctctca ttcgtgccta tgcattgagt 240
 atcttgttga gccattatt 259

<210> 36068
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888916H1

<400> 36068

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 atgggtatta attagtcttc ctttttctag aattttgctt tatctttcaa tggtatgggg 180
 ggagctagtg tgaatccatc tgtgcttgca ttgtacaata gttctttcaa atatattcta 240
 ctctaaagtt gtccaccata aatttct 267

<210> 36069
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888917H1

<400> 36069

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 gtgagcggaa gttatattcc ggaaagttat atctttttca gttgtagtgt ttttttgttt 180
 ttatttttcc ctagataagc agaccgtgga aaactgcaag tgaaagctgg agcttttgct 240
 tcaatcacat ttgactatct cactgattag aacaggc 277

<210> 36070
 <211> 77
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888918H1

<400> 36070

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 ctcccatcca tacaacg 77

<210> 36071
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 70088892QH1

<400> 36071

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tgtgtcttat ttctacctat tccaatttcc agccaccatg tctggcgaaa tgcataccga 120
ttccgcgtca tegtacgat ccgccgccgc ctctgatcag cgtcatcagc agccggcggc 180
ggctcctctg agccggtacg aatcgcagaa acggcgagac tggaacacct ttggccagta 240
cttgaagaac cagacacccc cagtttc 267

<210> 36072
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700888921H1

<400> 36072

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tgcagctgat gaagaaccat ttataggagt gaatattgga acggatctct cagatatgcc 120
acaccctact caagtactag ctctactaaa agcccagcaa attcggcatg ttcgattata 180
tgatgcagac caagctatgc tccttgcaact tgcaaagaca ggcattcagg ttgctgtgac 240
tgtcccaaat gaagagatcc tagcaa 266

<210> 36073
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700888923H1

<400> 36073

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ccgcttccac tgccagcagc aggaccatcc tcatccatgg ctccaccgc atcaccacca 120
gctccttggt acatctttgc tatgatggg ttacaaatgc tctccaactc cttcatcttg 180

tccctcgaatt cgtcagcttc agcaagttgg tttccatoga gccattggat agcctgctca 240
attgcatcct caattttctt cttatcat 268

<210> 36074
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700888924H1

<400> 36074

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aatgggtttcc ctgaattagg gaagaattac agctataaaa taattgctcc gctcttgcta 120
tatgaaaact tactgcaatg catgtgattg tgtttgctga gcaggcttcc tcattgaaga 180
cccctagcat ggagagatgt tctctgcttt ttacagtttt gttatataga tttttcctct 240
tctgatt 247

<210> 36075
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700888925H1

<400> 36075

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ctttgtattt tttatttggt ataactactt gagccgatg aaaggaaacc ttcacgtccg 120
atgttgaaag ggggagatct tattggattg gatcctatct caatttttcg tttgctagac 180
ccgtagttaa aaaaccact ttcttacgat tacgaggttc attcgaatat gaaatccaat 240
cttggaaca cagcatacca cttttttt 268

<210> 36076
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700888928H1

<400> 36076

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 agggacactc gaccgaatga aagagtctct ttgaacagaa ttggataagg gattattcct 120
 gcggatcatg cgggtgttgg aaaatattac agtctaaacc tccttgtaat ggaatatgta 180
 tttttataca gaaatttgtt gttcaatatt aagttcttta cagtgttcga tgttcaaagt 240
 agagagtaat ataccttgta a 261

<210> 36077
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888930H1

<400> 36077

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 tcaatttgaa cgcattggcca cgccccagat ccagatccag atcccgatcc ccaacctttc 180
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 cgggtgctcac ggtcgagacy gaagag 266

<210> 36078
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888931H1

<400> 36078

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 aacttaagg ttctcagcc tcttcccccc gttgcagatg attgtgagca gctccgaaaa 120
 gccttctcag gttggggaac taacgaggag ctgattgtat cgatcttggc tcataggaat 180
 gctgctcaga ggaagcttat cagagaaact tatgccaga cctatggaga agatctctc 240
 aaggccttgg acaaagaatc ac 262

<210> 36079
 <211> 261

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700888932H1
 <400> 36079
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 tcaaagctgg gaaagaacat tcaagtactt tcaagttcct ttgtcaataa gcaagaccaa 120
 tacactgtgg aaggagtgcga gaatcttggga gacaaagcag tgatgtgtca taggctaaat 180
 ttcagaactg cagtatttta ctgccatgaa gtccgtgaaa caacagcttt catgggtcca 240
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 <210> 36080
 <211> 96
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888933H1
 <400> 36080
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 ctgatttaat tcaggcccggt tttgccgtca cttat 96
 <210> 36081
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888935H1
 <400> 36081
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 gagcacagaa gaaaaatgga ggagattggt gcaggaaaca ttgaaaagtt agccactcaa 120
 acttcctta attgtctact gatgggtgtg ttggggaagg aatctgatga acccctgcac 180
 ctcattcctt cagcttctct gacagttaat catactcctt caaaggattt caaagaagct 240
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 <210> 36082
 <211> 267

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700888937H1
 <400> 36082
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 gaccctgagg acccgataag catcggttgc ttgattttct atattgaaat atagaaaagt 180
 tgggtattcct ttgtctgttt gggtgttatt tgattaaatt gaatgtaata ctacagcaga 240
 tgggacagcg gaaacaatat caatggc 267

<210> 36083
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888939H1
 <400> 36083
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<210> 36084
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888942H1
 <400> 36084
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 ggtgtctgta atttttgctg tcactataca tgttatgcta cttactgctg cttatttgga 180
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261

<210> 36085
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888944H1
 <400> 36085

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 tgcataga tctggttggt tctcagggac tggttcttaa taagtcagta aatacatctt 180
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 atcaggtatc ttggatgc 258

<210> 36086
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888945H1
 <400> 36086

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 ggactgaaag caacgagtga aacgagagca gagatcgttg aactcatcac tcagctagag 180
 gccaagaacc ctaaccctgc tcccactgac gccttgactc tcctcaacgg aaaatggatt 240
 ctgcgtata cgtcctttgc a 261

<210> 36087
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888907H1
 <400> 36087

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 tgtaatggag atccaataat ttggggatgt ctttagatag cattaccaat acaagagact 240
 atgtatccaa aaagagaaaa aaagaaaaga 270

<210> 36088
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888871H1

<400> 36088

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 gttgcagtgt cctgaggcgc tgtggtgtac attgagttgg agggaaaata acaggaagat 180
 accagagaaa agcaatgcmc caaggatggc tgcaagaaag c 221

<210> 36089
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888872H1

<400> 36089

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 ttgtaattac taatagtgtg tgtacgggtt gcgggataat actttgatgg tagtgagagt 180
 ggagtttggg acctttgggt acatgttatg cggcacctat cggtttggtc t 231

<210> 36090
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888874H1

<400> 36090

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 attgtcagga agactatttg actttgtttt ttcaaccccc caataaattc gaatattatg 180
 gttatgacac tgtttttttc agcattcatt tttctataat agagagttct a 231

<210> 36091
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888875H1
 <400> 36091

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 acatcaatca ggatttttcg gcgtctacca cttcactttt ccaagcaatt agatccatgt 180
 catctgcaaa gcttttcgct ggaggtattt cttacagcac tgatgatatg a 231

<210> 36092
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888876H1
 <400> 36092

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 aagatttgtg gcacgctggg gcccgcacg cgctctgtcc caatgatcga gaagcttctg 180
 cgggcgggca tgaacgtggc tcgcttcaac ttctcccatg ggtcccacga gta 233

<210> 36093
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888877H1
 <400> 36093

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 gcacagctca aatgagattt caacctcgtc tagggaggta cctagctgca gctgcagaga 180
 atgttgtttc tatactcgat gtggaaactc aagcatgtcg atattcatta aaagga 236

<210> 36094
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888878H1

<400> 36094

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 aagaatctta gttgcaatat agttgtgcag ttgttgaaat gggggctcct ttatcagcat 180
 ggcctttgga gaactttgga acatacaagt atctattgta tgggccgttt gtggg 235

<210> 36095
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888879H1

<400> 36095

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 atcaatcaaa atatgctcca agcttctaata tctaaagctt gctggcaaaa tacttgggaa 180
 aatagctatg atacaaaatc tacatccttc tgttatcctt cctaaatata tgcaagcagc 240
 ccc 243

<210> 36096
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888882H1

<400> 36096

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acgaggttg aggtttgcaa tttccttcgg ttgtgacctg tgaatccgat tgtattctga 120
attagggttt aagctttaca cacagagatg ggtagcccct cgaagaagaa cgaaagtaag 180
gggtttttcg ccgccgtgtc ttccatgttc accagcgctg tcaaccgatc ggtca 235

<210> 36097

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888883H1

<400> 36097

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gcaagactat taccctagaa gtcgaaagct ccgacaccat cgacaacgtc aaggctaaga 120
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<210> 36098

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700888884H1

<400> 36098

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ttacaacttg gctgtgtcta tggatcgcg ctcagcttctg ttgctgggtg taccctctt 180
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<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700888885H1

<400> 36099
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 gtggaatctg ggcggaacaa atccacgatg gcggcctcca ccaccagcca ggtctacatc 180
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<210> 36100
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888886H1

<400> 36100
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 tagcaactga tcttgatttt agccggcaag gtcgtgttaa tgcaatgctt gtagacggt 180
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<210> 36101
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888887H1

<400> 36101
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 aaagtacttc cttacttcca cttttatcgt ggggctgagg gccagcttga atcattttca 180
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<210> 36102
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888889H1

<400> 36102

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gcgcgtgtaa ccctaattag ggtttgcaag ccgatttggg attcgctttt cgcgatgatcg 120
cagcgctgga tccgtaccgt gttcctccgt ctacggaagc tccttttgct cgatccttcg 180
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<210> 36103

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700888892H1

<400> 36103

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atgagcctgg gatttttgtt gtcactgctg cactgggcct cttgacaaac ttcgaagata 180
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<210> 36104

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888893H1

<400> 36104

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aagatggaga ttggatgctt gatgttcact gattcatgtc ggagactaag gatcatgaaa 120
ggctctgagg caattgggct agctccaagg gccatggaaa aatctaggag ccaaaactaa 180
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<210> 36105

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888894H1

<400> 36105

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 taccaaagtc cacgtcagcg tccatgaact ttcccctatt caatccttaa ttcactccat 180
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<210> 36106

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888896H1

<400> 36106

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 ctgcattcca acttgtttaa atcatgcctc tgcattcacc cttctctctc aataaatctt 180
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<210> 36107

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 700888901H1

<400> 36107

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 caacaacaac aacaacaaca acgtgtcctc cgacctgaag gcgttctccg ccgcgctggc 180
 cctctcctcc atcctcctct ccggccctct ccccgccggc gccgacatct cgggggtcac 240
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<210> 36108

<211> 277

<212> DNA
<213> Glycine max

<223> Clone ID: 700888902H1

<400> 36108

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caaggcccag gccaggccc aggcccaagc agcagctgca gctcatgtc aactccaggc 180
tcatttgcaa gctcagggat tgagtcttaa tcagaaccag gctggtggtt tgggggtgtc 240
gtcaccgttg atttccacgc cgggtaatgc tagtggg 277

<210> 36109
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700888903H1

<400> 36109

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tataaaaaat ggtggtgaag attcgattgg caaggctcgg gtgcaggaac caccattct 120
atcgctggtt tggtactgat agcaaaacaa caagagatgg caagcaactt gaagttttag 180
gtttctacaa tcccgtcgca ggcaaggatg atgagaaaag aatgagcctc aaactggaaa 240
gagtcaagta ttggctttct gtcggagcta agcc 274

<210> 36110
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700888904H1

<400> 36110

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caagaggtca gttgccgagg agcgagctgg acggaagctg ggtggactta gggacctcaa 180
ttcttactgg gtgaatgagg tttgttattg tattacttct gttgaaattg aaatttggtt 240

gtgaatcatg tgttgatttg gtaaa

265

<210> 36111
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700888905H1

<400> 36111

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gacacctggag tacaagtga gttcaaagtc ttaagagtaa tggtttggga tactgtagtt 120
gaatgagatc aaaacttaac tcatatccca taccctcttt tctgttatat atttatggca 180
aatgtgaaat ttaaagatcg ttggatctct ctatctttgt tctgctgac taatttgaga 240
gcaggctatc tatgctatgc atgcatgt 268

<210> 36112
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700888906H1

<400> 36112

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ggctcttggg tccctcggat accatgcggt ggcaccagat ctccgaggct acggtgacac 180
cgatgcacca cttcaatag acagctacac atgctttcat atagtggctg atctcgttgc 240
gcttattgat tctcttggg cagagcaagt 270

<210> 36113
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700888865H1

<400> 36113

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atgctctggg tgaggaattc aaaggttatg tcttcaaaat tactggaggt tgcgacaagc 180
aaggatttcc aatgaagcaa ggagtgttga cccctggctg tgttcgcctc ttgctgcata 240
gagga 245

<210> 36114
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700888821H1

<400> 36114

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aacctgatta aaattcagtg taccattttc tggtcactaa cagctaacca ggtccaatgc 180
tcacatgggt tgactgacat tgaacgatgt cagagtcagg agcaatacga tgctggtttc 240
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<210> 36115
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700888823H1

<400> 36115

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cggacacaaac aatctcaatg ccaaattggt tcttctcggg gacatgggtg ctgggaaatc 120
cagcctcggt ttgcgctttg tcaagggtca atttctcgaa tttcaggaat caacaatagg 180
ggcagcggtc ttttcacaga cgctggcagt aatgacgcg acggtaaagt ttgagata 238

<210> 36116
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700888824H1

<400> 36116

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atccccaata gaccagcaa ttccaatgga cccttgctt gcaatctcaa caggccctga 120
acaggagatg tcaaagaaaa agaagaaaag gagagtaagc ttgaaagtga agcggcagaa 180
ctcaatgaac actacaagct gcctgaagct gctccgctg aggccctgt tcagaaatc 239

<210> 36117

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700888825H1

<400> 36117

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cacaaggcca acggtgccac gtgtcaccct gaggaagaag cgggcctgtt gggcttcaaa 180
tccggtatcc gatccgaccc gtccggcctg ctcaagtaact ggatatcggg tacggactgc 240

<210> 36118

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700888827H1

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ctggtatgct agttcttgat ctacataaca gttaccgaa attcagtata aatttattgt 120
gatgttatgc tggatattcc acacttctgt tttaacttta caaatttagt ggagctttaa 180
tttactagat gctgagactt ttagaattca gatgctagag ttctctaact gcttatt 237

<210> 36119

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888829H1

<400> 36119

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 gcttgggaac gggtttacaga gcggtgctcg atgatggttg cactgtggct gtgaagagac 180
 tcaaagacgc taaccctgc gagaggaacg agtttgaaca gtacatggat gttgtaggga 240
 a 241

<210> 36120

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888830H1

<400> 36120

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 cttctcaaac cccaacagac atcatcagaa tctcaaaaa agccggagga ttcaccaccc 180
 taatccgtct tctcaccact acacaagtct caaccctaat caacgcccac cttctgaact 240
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<210> 36121

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888831H1

<400> 36121

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 tgctctatgc agatttcgac ttacttcaga atcaacgcgt tggagacagg gcagtttgag 180
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 ccttcct 247

<210> 36122
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888832H1

 <400> 36122

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 gaaaaagctc gtgcaaagca gttgcaacct catgagtata attcaggaac tttcacgctt 180
 tccaatttgg gtatgtttgg agttgacagg tttgatgcc a tacttccacc aggccagggt 240
 gctatcatgg 250

<210> 36123
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 <212> DNA
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 <223> Clone ID: 700888833H1

 <400> 36123

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 gatttgaagc gtttcataga ggcctacttt gaaggtgcag gggatgatct ggtgtaccgg 180
 gaccacagg atttcgttcc cgagccggag gggttcttgc tcaaggtgaa ccaccctcag 240
 gttagggcct 250

<210> 36124
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888834H1

 <400> 36124

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cctttgcttc ttcttcttct tctgttcccc acttttgcct tcgctggcca tgactatggc 180
caagctctga gcaagagcct tctcttcttt gaagcccaga gatctggcta ccttcc 236

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<212> DNA
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<223> Clone ID: 700888844H1

<400> 36128

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tttcttttct ggatgataac aaatatgaaa accttgtcaa ttttggattt tctttgaggt 180
ttcgttctgg ctttatgttt aggatcttgt tataatacat tatggttttc gaat 234

<210> 36129
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<223> Clone ID: 700888845H1

<400> 36129

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catagataat gtaaagtcca agattcaaga caaggaaggg atcccaccag accagcaacg 180
tctcattttt gctggcaagc agcttgagga tggacgtaca cttgctgatt acaacattca 240
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<210> 36130
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<212> DNA
<213> Glycine max

<223> Clone ID: 700888847H1

<400> 36130

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gtcaagtatt ctctgttggg ttctattctt tcaaaccttc ttctggttct tgggacctct 120
 ctattatgtg gtggcattgc aaacgttgga gtggaacaaa aatatgatag aagacaagca 180
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 aaata 245

<210> 36131
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 <212> DNA
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<223> Clone ID: 700888850H1

<400> 36131

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 aatgcaatac aagaatgaga aacaagggcc tattggttca tggctttgtg agtcaccttc 180
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 gtt 243

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<223> Clone ID: 700888851H1

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 tctgattcag gtttattcgg aagaggaagc tacaaattct gggcactagc tgccatgctg 180
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<210> 36133
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<223> Clone ID: 700888854H1

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 gaggtcatca attaccaact ctccaattgc tggagtttct tcagaaaatg ttgtcaatgg 180
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<210> 36134

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888856H1

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 tggagtgcct ttggtggcat tcacactgaa agaccacacc cactttgatg aattccaaat 180
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<210> 36135

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<212> DNA

<213> Glycine max

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<210> 36136

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888859H1

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 agtggacatc aaggtttctc ctggatctca tgccaacgaa gaatcagtca ataagcagtt 180
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<210> 36137
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 <212> DNA
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<223> Clone ID: 700888863H1

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 ctggcatgga ggttgacgaa attgatggct ccccgagaat ggggccgacg tttggggcga 180
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<210> 36138
 <211> 242
 <212> DNA
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<223> Clone ID: 700888864H1

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 gaggaagagc aaagaaagat tggagagact gctaagcaac tttgctggga gaagaggtca 180
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 aa 242

<210> 36139
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<212> DNA
 <213> Glycine max
 <223> Clone ID: 700888820H1
 <400> 36139

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 tgaacgaggg gcaccctgac aagctctgtg accagatctc cgatgctgtg ctogatgcat 180
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888776H1
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 agtggtttctg atttgatctt tgtctcttct ctttctcttg tttgagattt ttcattactc 180
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<210> 36141
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888778H1
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 ccaatcctta catgggtgtt tccactctcc atttgggtcaa ctaccgttga gctttgtcta 180
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<210> 36142
 <211> 231
 <212> DNA
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<223> Clone ID: 700888779H1

<400> 36142

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 gttgaggata aactaaatgt gacactttaa cgagatgggtg gtctcagtaa ttttgatgtt 180
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<210> 36143
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 <212> DNA
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<223> Clone ID: 700888780H1

<400> 36143

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 tattgaagcc ttgcaatttc acagcaatct agtttcttca actgtcaaaa gatattgatg 180
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<210> 36144
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888781H1

<400> 36144

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<223> Clone ID: 700888782H1

<400> 36145

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ggaaccccat gtcttggcgg aaccattac tgaggat 97

<210> 36146

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700888783H1

<400> 36146

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agataatatt tgtgcgtcta cagaaggagt ttgaagctgc actagcttct caaactgaag 120

agatatgttt agacggggaa gagtggaatg atggactatc tagctacaat aagagttcgg 180

gtgcatatgg ttgcagacag aaaactaatg catggggtcg ctgacatatt 230

<210> 36147

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700888784H1

<400> 36147

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gccaaatcac ttgggggttt cagatcatag tgtg 94

<210> 36148

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700888785H1

<400> 36148

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atccagcatc ttaatgctct tcattcagat aatgtaatgg tatatgacaa tgctgtttcc 120

gctttgggaa aaatttgcca ttttcatcgt gacagtcttg attctgcccga ggtagttcct 180
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<211> 93
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<223> Clone ID: 700888786H1

<400> 36149

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agttattcct gcaattgatg cttttcctgc aat 93

<210> 36150
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 700888787H1

<400> 36150

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tctgctccct tggttggttca ctcatcaaac c 91

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<212> DNA
<213> Glycine max

<223> Clone ID: 700888788H1

<400> 36151

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cactccgcta tcatcggcca cgacggaagc gtttctgctc agagcaccaa cttccctcag 180
ttcaaacctg aggaaataac tgccatcaat actgacttta atga 224

<210> 36152
<211> 223

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700888789H1

 <400> 36152

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 gggtccttct agtaatgcct tttggccacc ttcacttggc tactggccaa tttccaaatt 180
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 <212> DNA
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 <223> Clone ID: 700888790H1

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 <211> 94
 <212> DNA
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 <223> Clone ID: 700888791H1

 <400> 36154

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 <210> 36155
 <211> 95
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888792H1

 <400> 36155

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gcctcaagct ctccttctgc atatacttcg ggaaggaca 99

<210> 36160
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<212> DNA
<213> Glycine max

<223> Clone ID: 700888803H1

<400> 36160

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aagtggctgt tcaaggaaac cggtttctgcg cgtcacaaca tcatcaagat caacgctctc 180
ccttccatca ttgacgcgtt tccaatctga acaagatgcc actaccacaa ctgcat 236

<210> 36161
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700888804H1

<400> 36161

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caagatgtct gttcgctcca ttcatTTTTA tccacctctt cttcaatcca cgagtgtccc 180
atatttcagc aagagcctgg aggaagccga gataggtaaa gatgcaacaa cctcaaggc 239

<210> 36162
<211> 159
<212> DNA
<213> Glycine max

<223> Clone ID: 700888805H1

<400> 36162

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cgcttcaatc gcatctctat tctctagtagc tcattcatt

159

<210> 36163
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888806H1

<400> 36163

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ggaaaagaac aggaaatttg tggagaccat tgatgtccaa attgggttga taaattatga 180
tccccagatg gacaagcgtt tcagtggctc tgtaagtgtg cctcatattc ctgcgcccaa 240
gat 243

<210> 36164
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700888810H1

<400> 36164

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ttctcaccaa ccaataccaa agactatggc gagcgcgggc aagtatccaa gtccgactcc 120
cccatcgata atagaagtga agaagccgcc gccggttaacc ataattctctg gaccctctgg 180
accctctgga acctctggag ccttatacaa ctatgctggg aatgggaata gcaagacca 240
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<210> 36165
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700888775H1

<400> 36165

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tagcatgagg caaaacacca tggtaacaga gtttgagggtt cttgctgcca gtgatggcag 180
aaaagctggt tgtggagtcc tctgtctctg aactatgtgg aggttt 226

<210> 36166
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700888811H1

<400> 36166

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cagtggcagc gcaccggctt ctaaggcaca ggttggttgg tggcctccta ttagatcatt 120
taggaaaaac tcaatggcta ccaccactaa caagaacaat ggatgaagtc gatggaaaac 180
caggtgttgg cgcactctgt gtaaagggtca gcatggatgg tgctccgtat ctaaggaagg 240
t 241

<210> 36167
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700888812H1

<400> 36167

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ccggcaccat ggactccgtc agatccggcc cctacggcca gatcttccgc cccgacaact 120
tcgtctttgg ccagtccggc gccggcaaca actggggcaa aggtcactac accgaaggcg 180
ccgagctcat cgactccgtc ctcgacgtcg tacgcaaaga agccgagaat tgctactg 238

<210> 36168
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700888813H1

<400> 36168

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 tgttggtgct gttgagcccc tgaaagagga gaagggtgct gaagaaaatg tgaaaccaag 180
 agagtcacat gtggaagcat ccaaacccaa aatggtggag aaaagctctt cttacaagga 240
 agaa 244

<210> 36169
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888814H1

<400> 36169

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 ggctggcagc ggtgacaacg tctcttgctt actgtccatg tcaactgcta ctcaaccttc 180
 aaagaaagtg gatgatgtga aggcacccca attggtgctt tttggccaaa caattctcac 240
 cgaacagc 248

<210> 36170
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888815H1

<400> 36170

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 ggcttatcga tcttttagtc cttcggaatt tgaagctaga ggtgtcagat aagttaccac 120
 agggataact ggcttggtgc agccaagctt tcatagcgac gttgcttttt gatccttcga 180
 tgtcggtctt tcttatcatt gagaagcaga attcaccaag tggtggattg ttcaccacc 240
 aataggga 248

<210> 36171
 <211> 278

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700888817H1

 <400> 36171

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 ggatttgga ctacaatgaa cattctctat ggggatgggtg tttgtggaca aggtgatgtg 120
 gactcaatga acaatattgt ttcccattac ctgtattatc ttgaccttct tgggtgttgg 180
 cgagaacagg ctgggcccga tgacatcctt acatgcgctg agcaggttcc tttcaaccca 240
 tcttccaaac ctgcttcac atcttaagat tattatat 278

<210> 36172
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888818H1

 <400> 36172

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 ttcaaagggc atcaacataa tgaccacagc tccaattatg ccacccaaac caaagtgtt 180
 tcccagtcag ggtcagggtt agggcccctt accacaaaa ctcaaacaca atgcgggttg 240
 ccccaaac 248

<210> 36173
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888734H1

 <400> 36173

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 aaagaagctg ccactgactt tgccaaaatc accaaagcta agtcggagaa tgagccttgg 120
 ggatgctctg aactcatctc ctgaagtttg ttgtcgagg cgtcacatca ctggaggtgt 180
 aggttacacc aagggtggtt ccaatgcctc tttccctcac aaaaacatta ttcgacgc 238

<210> 36174
 <211> 100
 <212> DNA
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<223> Clone ID: 700888737H1

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<210> 36175
 <211> 230
 <212> DNA
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<223> Clone ID: 700888738H1

<400> 36175

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 atccaaattg atgaagctgc tttgagtgag ggtcttcac ttcggaaatc agagcaatct 180
 cactacttgg actgggctgt ccactctctc agaatcacct ttgttggtgt 230

<210> 36176
 <211> 72
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888739H1

<400> 36176

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 gagacaagac ag 72

<210> 36177
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888740H1

<400> 36177

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gggggcatgg aagccgctga gtatcattgc tcggcatcgt gttagaattc gcaaggctgt 180
cctccttgct ggtgaagatt ggccctacga tcctgaaagt taggagatga 230

<210> 36178

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700888742H1

<400> 36178

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ccggccatca gatgacactc ttgattgttt cttatcatat ttcaaggaaa atgggtgtcaa 180
gcttgatgaa tttgagttgc acattgcaaa tgaagattct gatatgta 228

<210> 36179

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700888744H1

<400> 36179

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gcaacggctt cggaggctgc aagatttacc cagacttgag ctacactgag tcaaccacca 180
ccgagacctt gttcatggga gtggtacctg ttaaggctca atttgaggg 229

<210> 36180

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700888746H1

<400> 36180

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 atttgactga attcaagtcc ttggggaaat ttgcagtga gctattattc cttcacgcaa 180
 cctcgtgtgg cttcatatgc aattggctctt tgtggagatg ggtttgtgca caa 233

<210> 36181

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888747H1

<400> 36181

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 gaaccaacat ctcaccgggt cctttcattc cctctaattc tagagtcacg gctctcctcc 180
 tcggtgtctc cttcctcatt ctattcgacc aatccaaggt cgataagcgc gatg 234

<210> 36182

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700888749H1

<400> 36182

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 aaaaagattt tagctcattt aattaagaca ttgcatcttt ata 103

<210> 36183

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700888751H1

<400> 36183

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 ggtggcaatt cacaaggcgg tactcgaatt ttcggtccct cacaaaagta ctcttctacg 180
 gacatcgcat cgcataccac tctcaagctc aggaaggaag ggcaggacac tcag 234

<210> 36184
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888752H1

<400> 36184

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 aatgtgcttg ttgattccta ctttgctgac atccctgc 98

<210> 36185
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 <212> DNA
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<223> Clone ID: 700888753H1

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<223> Clone ID: 700888754H1

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0967

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<400>	36189
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<210>	36190
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<223> Clone ID: 700888758H1

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 agtagaacia acaactacag aagctgcccc agaggagcct caagaagttc cagtctagac 180
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<210> 36191

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700888759H1

<400> 36191

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 gaggtgaatc ttgttgatac tcttggttcg ccacctttcg tttaagaagt aacaaagcgt 180
 gcagcttgga aatttgcagg tccacttcct cgcccacttc ctccacctcc 230

<210> 36192

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700888760H1

<400> 36192

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 aacatgccgt tcgggttaga ctccatgatg agacctccc 99

<210> 36193

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700888761H1

<400> 36193

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<210> 36197
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<212> DNA
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<223> Clone ID: 700888766H1

<400> 36197

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ggacgggggtt agttagctag ctaggcttat ttatgtaaatt tctggaaggg aaaatgggta 180
tgaaactagt atcttttttt tttttctctt tatgtaattt tctttacata gt 232

<210> 36198
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700888767H1

<400> 36198

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gtgaaggcat gcgagcacca caagggcaag aagaggaaga tcctccggca agtggtcccg 180
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<210> 36199
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<212> DNA
<213> Glycine max

<223> Clone ID: 700888769H1

<400> 36199

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tgaaacagga gagagcagca atttgaggac gatcgatgtg cactacagtg tgcgcagttg 180
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 <212> DNA
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<223> Clone ID: 700888770H1

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 aattctctat ttttgtgact tctacctga tggaagtgg tggtgtgcct ccttcttcaa 180
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<210> 36201
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 <212> DNA
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<223> Clone ID: 700888733H1

<400> 36201

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<210> 36202
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 <213> Glycine max

<223> Clone ID: 700888771H1

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 tgctttctgt ggtgacagtt catcaaagat gataacaatt tcattacacg aaagggtttc 180
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<210> 36203
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<212> DNA
 <213> Glycine max

<223> Clone ID: 700888772H1

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 aagatcaaatt cgaagccaag tctcttagca agtatgaatc tacaacgaga agataaagag 180
 cgctggctta tgcattcact catcagcaaa attggcagaa ctcac 226

<210> 36204
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888773H1

<400> 36204

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 aagcactgtc aaagagaagc ttggtgctgt tgatccctat ttcaccaagc ttgcatatgc 180
 catggtgact ctgattgaag ctctggatga gcttacttgc accacatc 228

<210> 36205
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888774H1

<400> 36205

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 tttcccagat gttgccacga attatgaaca catcagatga agttcttttag cataacttatt 180
 ccttgaccgg cctttatgca ttgcacatac aacatgaaca gatat 225

<210> 36206
 <211> 178

<212> DNA
<213> Glycine max

<223> Clone ID: 700888695H1

<400> 36206

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tctctgttcgt gaatatgctg agatgtcctc cgggagattg aggetgcact ctggcagtct 120
tggttgtaag tcagggtatag atgattttga tgacagagtt gcacgtcgtt ttggtgaa 178

<210> 36207
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700888701H1

<400> 36207

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aagatccacc accttctcct tctcctcttg tccccacca actcttctgct tcaatctcca 120
cagctccctc tctcttactt ccgcttccgc ttctctctcc actaccgctt cgaccactga 180
gctggagccc tgtcctcctt cagcccgatc gttcccgacc tctcgttttc gctcttttcg 240
aaaa 244

<210> 36208
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888702H1

<400> 36208

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attccatcag ctaaggcatt gtcttagtca tttgtcccca aggcaatatt tgatcgatgg 120
cttgatgctt cacttaccaa acctgcaact gaagttgggg aaatccaaga tcatgagaag 180
gtgaggtctt acaaaaagga atctgtaact ataattcatg agtattttcc ttctgatgac 240
att 243

<210> 36209
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888703H1

<400> 36209

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 tctcgcaccc gcgcgcgctc acgatcgga tcaaggcctt gttegcgctt tgtctgggtga 120
 agaatacgcg gcagatcgcg gtggacgccg gcaccccggc gggtctagtc caccggctcg 180
 cggacttcga gaagtgcgac gcggagaggg cgctggccac ggtggagctc ctctgccgga 240

<210> 36210
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888704H1

<400> 36210

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 gatcaccgcc ttggggaagc gtttcgcaa ccagatctgg acttccaacc cccccctcag 120
 ctctctcac ttctaggagg ggagcaatag catctgcata cagtagctgc ggcggtcag 180
 tgtctgacaa gaaccctgtt gatcagatcc actctggggc ggtcctcgac gatgtgat 238

<210> 36211
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888705H1

<400> 36211

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 gcaaaatgaa aatgaggctt ctggtaattg cactaacaat attgatgctt ccaagttctt 120
 ctatggctat ccatgtgaag actttgggtg ccaacaacat gctacaagag aaggagggag 180
 atcacagtaa tggtaataat aatgagcatt caatccctct gacacgctat agtga 235

<210> 36212
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888706H1

<400> 36212

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 atccaaagga aatcgttgat cttttcaaga tacgtttttt ggctcaacag tgaaaatttg 180
 gttgcagtgg gtatcctcta agttgtagat tgttgtcaat aaattgttgt gtgtt 235

<210> 36213
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888707H1

<400> 36213

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 aattgaagga aatagcagta gatacagtct gaaaccctcg cgaatttgta acgaagatgt 120
 tctgatctgc gtcgacgtcg atcctcagtg cctcgtcgaa atgtcaggtg ccaccggtct 180
 caatggcaga cccctcaccg gtttggactc catcaaacia gccatcggtc tc 232

<210> 36214
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888708H1

<400> 36214

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 acaaatcccc tccaccacca tcgtgatagc ctccacctcc tt 102

<210> 36215
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888709H1

<400> 36215

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 tatcttctgg gtagtggatg aaactgttct gcagtggatc aagttactga acaaaaacga 180
 tttgatgacg gctgtccaaa accgcctata cggcctgctg attcgctaca agg 233

<210> 36216

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700888710H1

<400> 36216

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 tacaaatatt gccttggcta tacagctggt tccggaattt gctaataaca ttgggcagat 180
 cctgattctt ggtggtgctt ttgcagtaaa tggcaatgtg cttccagctg ct 232

<210> 36217

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700888711H1

<400> 36217

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 aatggttgcc gcaaaaaaaaa ttaagaagac ccatgagagc atc 103

<210> 36218

<211> 232

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888712H1

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 gcggcaacgg ctctggaggc tgcaagatgt acccagactt gagcttcact gagtcaacca 180
 tcaccgagac cttggccatg ggagtggccc tgtaaggct ccatttgagg gt 232

<210> 36219
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888713H1

<400> 36219
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 gaagtacctt gatgagaaga ccattttcca tttgaaccct tctggcaggt ttttcattgg 120
 agggccgcat ggcgatgctg gtctcaccgg ccttaagatc atcatcgta cctatggagg 180
 atcgggtgca catggtgtgt gtgccttctc ttggaaggat cctaccaagg ttgata 236

<210> 36220
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888715H1

<400> 36220
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 cctgttgagg gtccatacaa gccttctcac tacaggtact gatccatcct attgtgggag 120
 aataaaccta aactattcta tcaattcccg aggcttcatt gttacacttt cctttttgga 180
 ttttttccat tacaatttac atttgtggta gcataggagc ttctttttcc tttttttagt 240

<210> 36221
 <211> 104
 <212> DNA
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<223> Clone ID: 700888717H1

<400> 36221

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tccaagcttc aatcttttct ctcttctcac agccttcttc actc 104

<210> 36222

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700888718H1

<400> 36222

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caccgatgtt gctgtcctct ctgacaatga agacatttat gacat 105

<210> 36223

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888719H1

<400> 36223

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aaaatggccg gtgacggtgc ctttacatgc atagacatcc tccttgccat ctttctccct 120
cctcttgag tctctctcaa atatggctgc cacgtggagt tctggattcg tttggtgctg 180
accttctttg gttatatacc tggaattatc tctgctgtct atgctatcac caagtgat 238

<210> 36224

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888720H1

<400> 36224

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tcaatcatcc attcattatc caacatgtcg tcggcgaaga aaatcacgct gaagagttcg 120
gacggcgagg ctctcgaggt ggaggaggcg gtggcgctgg agtcggagac gataaagcac 180

atgatcgagg acgactgcgc cgacagcggg atccctctgc cgaacgtgac gagca 235

<210> 36225
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888721H1
 <400> 36225

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 aactcaagtc caccttcaact aggactcttg tagctcccaa gggcctcttc gcctcttcac 120
 cacttcacct cttgccttct agaaggcaat ctagcttcac tgtttaggcc atccaatcac 180
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<210> 36226
 <211> 101
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888722H1
 <400> 36226

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 tggcataggt ggaggaattt ggtgctggta caaatccgg t 101

<210> 36227
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888723H1
 <400> 36227

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 gggtcagact cacaccccca agcaaaagaa atagctcagt ctcatcaga aggagcaatt 120
 gtggcccaac atgttcggtg tccaattgg aattgaagag tgtgagtgag agcaaaatca 180
 agccgtatcc atcagaggca tcgaggacca taatggagtt ggctaagggtg ggcacg 236

<210> 36228

<211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888724H1

<400> 36228

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 ccagcaaaac tgttgctgt atctttgcct ctgaaggaaa gttgtgccta ttattatggc 120
 ttattgctct agtggcgtag atccctcaa cagttatgct tgcactgcct tttgtcttcg 180
 agactaaciaa acttgattgt atgtcttctt gttgctaatac ttttgattt 229

<210> 36229
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888725H1

<400> 36229

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 gctgtgccaa gtgaggggggt gaaagaccat acaaagaagc caactcactg ttcataagat 180
 catcttgcag ctccacaaca tatccaagtc tctgctacag ctcttagtg aag 233

<210> 36230
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<223> Clone ID: 700888726H1

<400> 36230

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 caaacctat atacctgaag aaaacaaagc tctttggtaa attcgctttg cctaaatggg 180
 agatcaatgg tctgggtgag tatgtttctg ggggtcccca cctggaggc 229

<210> 36231

<211> 231
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 <213> Glycine max

<223> Clone ID: 700888727H1

<400> 36231

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 tcgaactatg tattatcgga cttccgttgc aaactttcta ccgttctgga tgagttcatt 180
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<210> 36232
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<223> Clone ID: 700888728H1

<400> 36232

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 atgttcgtgt ccattccaga tgctgatgtt atttacatga agtgcattct gcatgactgg 180
 agcgacgagc actgtgtcaa gatcttgtag aactgcagga atggaatacc ag 232

<210> 36233
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 <213> Glycine max

<223> Clone ID: 700888730H1

<400> 36233

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<210> 36234
 <211> 91
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888731H1

<400> 36234

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<210> 36235

<211> 174

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888693H1

<400> 36235

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ggtcacacaaa ggcaaaattg gctgttattg agtttcgcat aagttcggtt aataagcatg 120

caatagatcc agaaggtgct gctaatttg gcctcctaaa attatggctt gcc 174

<210> 36236

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888732H1

<400> 36236

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ggacttgggg ccaatgtagc cctctttttc tctggccgga cagtgaata cttctcta 120

ctgaggcaga atttaggtct tggagttgat gggtctgcca tctctctgaa atta 180

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g 241

<210> 36237

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700888652H1

<400> 36237

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 attaagcatg ttatccaatt gtgtaaagaa acaaaaatgg acattttttt cactggattt 120
 ggaaatgttc ctccgacaca ctctcaatag cacaaaggta tcttcagtta ttgtagc 177

<210> 36238
 <211> 181
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888653H1
 <400> 36238

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 aaggaacagt tatgtttttc ttagtaggat ttggctcctc ctctcttttt accttttgat 120
 tgggtactatg gttggtgcct tggttggttg tgcaactaac tggcaagggt tgttcattgt 180
 t 181

<210> 36239
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888655H1
 <400> 36239

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 aggttggtgc agccaagggt gccctcccag aggacacaaa cgaggcatca ttgaagggtg 120
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<210> 36240
 <211> 177
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888656H1
 <400> 36240

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 agatgggttac tattacgtgc tatacaggga aaaggggctg ttcagaattc aaaagacata 120

<210> 36244
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888663H1

<400> 36244

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 ttctggagac ttgcacaaag gtgctctcct gactggcatg atcattaatt ggctctatag 120
 ggtctgtagt atctggaccc cttagtgcac tcattgctta tgttctaagt gctgtcctca 180
 gt 182

<210> 36245
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888664H1

<400> 36245

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 ggacacaatt tggcttcaaa ggttctctca acatggctga gcgatgaagg accaagatat 120
 t 121

<210> 36246
 <211> 180
 <212> DNA
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<223> Clone ID: 700888665H1

<400> 36246

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 ttttggtgac aacacctgga gatatcagaa gtgagaatgc tgacatgagt aacgataaat 120
 cctgtgaaaa acacgatcgc ctgccagtgg aaggctttct gcgttcagtc aatctacgca 180

<210> 36247
 <211> 177
 <212> DNA
 <213> Glycine max

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gctct 185

<210> 36251
<211> 186
<212> DNA
<213> Glycine max
<223> Clone ID: 700888671H1
<400> 36251

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ctctcatcca tcatgaaaag aggatagtcc aagaccggat ctaagacagc cgatgccaaa 120
cttgctgtga ataagatggg cgccgccacc aagactagga aaccgcgagg aaaggggaag 180
gcagcg 186

<210> 36252
<211> 184
<212> DNA
<213> Glycine max
<223> Clone ID: 700888672H1
<400> 36252

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agaaattgct gagattgaca aaggtaatgc tgacattaac aacaaagtac ttaagagcgc 120
ccctcatcca ccatcactgc tcatggctga tgcatggaca aaaccatact ccaggaata 180
tgca 184

<210> 36253
<211> 179
<212> DNA
<213> Glycine max
<223> Clone ID: 700888673H1
<400> 36253

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ggaaaaagtt gcatgctagt tgctggggac gtttacaggc ctgctgctat tgaccaactg 120

gctatatatga ggaaaacagg tggatgtgcc tgtctataca gcaggtaccg atgttaaac 179

<210> 36254

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700888674H1

<400> 36254

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tgagtttgag gattactttt tgaagcgtga ctgctcatat ggactatatg agaagggttt 120

tgaaaggcct tctcccatcc aataagaaat catagcgatt gctcttactg gtagtgaca 179

<210> 36255

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700888675H1

<400> 36255

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tccaacagaa cattcacttc aagttctgac ttgtcaacct cttcttttct tcacatggag 120

ctctctactc agtttcatca agttttcaag cttatcgaca ctaatgggga tgggaag 177

<210> 36256

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700888676H1

<400> 36256

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ggaacggatc caaggtttta caaggttttc aacaaggcg atggctgac actctaccat 120

tacaatgaag aaaattcttg agacctacac aggctttgag ggacttaa at ccctgggtg 179

<210> 36257
<211> 176
<212> DNA
<213> Glycine max

<223> Clone ID: 700888677H1

<400> 36257

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ctgggtgacta ctccaaaata ctcaaggtga agcatgacgc cactgatgaa gaagtgaaca 120
aggcttataa gaaattggca atgaaatggc acccagataa gaaccttgaa gaccct 176

<210> 36258
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<212> DNA
<213> Glycine max

<223> Clone ID: 700888678H1

<400> 36258

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gcctgggtata gatgcacaag ctcttaggaa agctttcgaa cgatggggga ctgatgagta 120
gaccgttata gcaatattgg gtcacagcaa tgatcatcag aggcaacaaa tcagaaa 177

<210> 36259
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<223> Clone ID: 700888679H1

<400> 36259

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ttctactacc cttcaatatt aatattccga gcaaaaacca ccaacaacaa catcaccacc 120
aataagaaga acaagattgg cgtaatgggt ctcttccttt ctaggaattt ggcttg 176

<210> 36260
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700888681H1

<400> 36260
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<210> 36261
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888682H1
 <400> 36261

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 acatagagcc cagcctctca agcccaagca ccaagcacag cccaagcccg ttcataaaat 120
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<210> 36262
 <211> 177
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888683H1
 <400> 36262

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 ttccgaaatg actctctttt caaatgggtg cacatatgaa accaaaattt ctcagatgtc 120
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<210> 36263
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888684H1
 <400> 36263

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tgtcctatgc agatttcgac ttacttcaga ctcaacgcgt tggagacagg gcagtt 176

<210> 36264
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888685H1

<400> 36264

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 gggcttcaac agttaaaggg actcttagga atcaccatt ttacgaccaa aaccgacata 180
 gtctct 186

<210> 36265
 <211> 180
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700888651H1

<400> 36265

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 tccaagtctt gctttcttac ncacattatt taaccatgca agttccgaat cattcatcgg 120
 cgtgaactac ggacaagtcg ctgacaacct gccgccgccg tcggcacggc naagctgctc 180

<210> 36266
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888686H1

<400> 36266

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 gaaaaaatgg tgaagatttg ctgcattggg gctggatg tgggggggcca acaatggcag 120
 tcattgctct gaagtgcccc tccattgaag tggctgttgt tgacatctcc aaatcccgga 180

ttgca

185

<210> 36267

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700888687H1

<400> 36267

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tctaaaacgc cgctgcttttc aacctctttt tttccctac gcttcacga ctttgtaacc 120

gaaagggggg aaaatataat taacaccgat ttcgcgacca attcttcttc tgcgttgaat 180

tgggac 186

<210> 36268

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700888689H1

<400> 36268

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ctctcagcac agtgcaaaag ctaggtgttg catcagaaat attccatctt tgggtccatt 120

tgcttcaaca agttaagacg agtggcatgc gtactaattt taaaaggga catgaaa 177

<210> 36269

<211> 176

<212> DNA

<213> Glycine max

<223> Clone ID: 700888690H1

<400> 36269

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tagagaattg gtttttagca actattgccg tcaactagac agatccagtc catatattaa 120

caaattgcct gaggctcttg aaggaaaagc agaaaaattc tcgaaacaga gaaatc 176

<210> 36270

<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 700888691H1

<400> 36270

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cctcaccagc agtggttcctt tgctgttatt ctagcttcat taatcacaca ctacacgcg 120
tagcgccagg tggagtaaaa cacactagcc aaacggccat gctttagagc tcaagaa 177

<210> 36271
<211> 56
<212> DNA
<213> Glycine max

<223> Clone ID: 700888692H1

<400> 36271

cgaccccata atagactact gggtgtgtat gtatcagatg cagttaggcg ttactc 56

<210> 36272
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 700888613H1

<400> 36272

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taagattgat cttcacggca atgttgcttc gaaggtgatc gtgactcgcc gatttggaag 180
cggcgttaa 189

<210> 36273
<211> 188
<212> DNA
<213> Glycine max

<223> Clone ID: 700888614H1

<400> 36273

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 gcaacttttc ttgtgcaata cccgtcagat gcaaagcaa agacactcag cattataatt 120
 actactgagt atatgttctt ttcattcttc tgtgtcctga ccatgccagt cggactcctt 180
 caaaggga 188

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 <211> 202
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888617H1
 <400> 36274

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 attacagcaa tggcagaaca aaacctaacc caaacaactg gagctggaag gcatcaaaat 120
 gttggttaaca agagccttct acacagtgat gcactttacc agtatatgct ggcgactcgt 180
 gtctacccaa gagaacctga at 202

<210> 36275
 <211> 195
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888618H1
 <400> 36275

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 gagtttagag tttgaactct gtttatccag tgcacaaagc gtagatcact gtgttagtaa 120
 tggaatagag taaaatcaaa accgagggat gacggagttg acgccgccgg aagatcattt 180
 ttgctgtcag tccca 195

<210> 36276
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888620H1
 <400> 36276

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 tgcattgacca attgtcaaca ctatataaac acccctgcag attccgaggt gtcaagttta 120
 cataccatag tccaattga agttccaccg tagatcgctg tattattatt tgtgccgaga 180
 act 183

<210> 36277
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700888621H1

<400> 36277

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 tcccccaaag gccgagaaga agcccgcgga gaaaaagccc gcagagaagg ctccggcgga 120
 gaagaagccc aaggccgaga agaagatatc gaaggaggga ggaagcgaga agaagaagaa 180
 gagaac 186

<210> 36278
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888622H1

<400> 36278

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 tgagtcagaa aaccaagcgc tctgagtttg tacagcgtcg aaccaggaga ccattctctg 120
 tgactgaggt agaagcactt gttcacgcag ttgaggaact tggaactggg aggtggcgctg 180
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888623H1

<400> 36279

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 ggcagcggtt gggctcagag taccgacttc ctcagttca aacctgagga gataactgcc 180
 a 181

<210> 36280
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888624H1
 <400> 36280

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 ccttcccatc cacactgcca taggagcggc ttatacaaca gacctcagta gttagacaat 120
 gcttaagcct ggaggatggg gggcctcacc attttccttg aaggatattc ttaaaagtca 180

<210> 36281
 <211> 184
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888625H1
 <400> 36281

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 tccctttcgg gagatgtttt taagttggac ctgcacaatt tccctatcta taagagaagc 120
 aaagtatgta caatatgtga tctctatcat aagagaagca aagtagatac aatatttggt 180
 aggg 184

<210> 36282
 <211> 184
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888626H1
 <400> 36282

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tctatcagtt aaacattaga atgagccgtt cacaggatcc acatccttcc cgatctttct 120
 tcccttttgg aaatcctttt cggatgatat cacctaaagg ctctogcatg tctccacaac 180
 ttct 184

<210> 36283
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888627H1

<400> 36283

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 atcattatgt tatttatgcc acggttgaga aagatatgga tacacgggtct gcacaaattt 120
 gacgggatcc ttttgtatgt caacatagta atagagattg gatgatttag taatagagat 180
 tga 183

<210> 36284
 <211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888628H1

<400> 36284

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 gagagaggag ccacacacgc aaaggaaacg gacatagcaa gaagatgaca aaagacgtct 120
 gcgccacctc ttaatatgta tagcaaattt ccgaaacact aaagaaacat aaaagtaaaa 180
 ag 182

<210> 36285
 <211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888629H1

<400> 36285

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cgcttgccac gtgatgttct tcgggccaaa gtcggatgtc ggtcttcatg atgctgggtg 120
 ggtgcatgag gaggtgcttg aggtgctgaa gcggtgcctg gaactagggg ttgtgacatt 180
 gc 182

<210> 36286
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888630H1
 <400> 36286

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 ggtgttagat gcgacagtgt cgagctttga tggggttttt gacaagttcc gatcacaggc 120
 tccaacaaac aaagccaatc tcctcctctg acccagctgg tgccctgatt gtgtgagagc 180
 tga 183

<210> 36287
 <211> 185
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888631H1
 <400> 36287

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 tatagaccac attatctctt tagtagtgga acagtgatta tagaacgaca gcattaagat 120
 cataggctgc atgatgtctt cgttgcactg aacgggtctc taggaattat gaatattcaa 180
 cccat 185

<210> 36288
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888632H1
 <400> 36288

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gcctcaaggt tgcattcttg gctgcagtgc tctgcatggt tgcggtgtga tgcaccatgg 120
 cacatgcagc tatcacgtgc gggcaggtga cgattagcct gatcaattgc atcggttacc 180
 tcc 183

<210> 36289
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888633H1

<400> 36289

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 tcagcttcaa aaacttgcag cggctaagct tcaaagttct gtcactttgg aaaatacaca 120
 aagaaggctg tccagtgtta gaagacaatc tcagcaggtt acggatatgg tgggtggaaat 180
 gcaat 185

<210> 36290
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888634H1

<400> 36290

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 ttcgatctga agatggttgg cattgcattt ggacgctttg acgattcttt cagtttaacc 120
 tcaatcacgg cctatattgc tgagtaccat tcgaccttgc tctttgtttt tgcggtgtt 180
 ggt 183

<210> 36291
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888635H1

<400> 36291

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ttcatgcaac ccaccaaggt gggcatggcc actcgcaacc tcaaatcgac acaatgcatt 120
tctaaggctt ttggcttgga acccgctgca gcttaactca ttgctcct taagcccgat 180
ctc 183

<210> 36292
<211> 180
<212> DNA
<213> Glycine max
<223> Clone ID: 700888636H1
<400> 36292

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ccaagacgga gtgcgagtgc catggaacgt gatccctggc acgagcagga cgcccaaac 120
gccgtcgtcc ccgtctcgc cgtctacact cccatgaagc acttcacctc gatgccgctc 180

<210> 36293
<211> 183
<212> DNA
<213> Glycine max
<223> Clone ID: 700888637H1
<400> 36293

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gtgctcctcc tctcttctc tctagccaaa gggcttcaca acccaaatgt gatgctgcct 120
atcaacatga ccatgatggc tcaaccctcc aagtgttcca tgtgttcagc ccttgttccc 180
cat 183

<210> 36294
<211> 180
<212> DNA
<213> Glycine max
<223> Clone ID: 700888639H1
<400> 36294

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ggttttcacc aaagtggatc agctgaaacc gggaaccaac ggtcacactc tggttgcaaa 120

ggtgttgtcc tccaacactg tgttgcagaa gggacgaccc tcttcttcgc acaacattcg 180

<210> 36295
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888640H1
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 actcagaagc cgccttatga ctattcccaa caacagcatc gctcgtacaa ggaatcgttt 120
 gaagactaca tcacatcaac ggtattacct tcgttgagac agaagcatga tgaatttatg 180
 tta 183

<210> 36296
 <211> 184
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888641H1
 <400> 36296

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 gtttctgcgg cctccggcga caggcattca cttccactcc cctgaaccac gccttccgcc 120
 tccgccgacg ccgcctcccg cattccgccg cggtattcgc cgcgctttcc gccaacggta 180
 cctc 184

<210> 36297
 <211> 182
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888642H1
 <400> 36297

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ca

182

<210> 36298
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<223> Clone ID: 700888643H1

<400> 36298

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 ggattttaaa agcttgcaac aagatcctcc tgctggcatc agtggggctc cccaagacaa 180
 ta 182

<210> 36299
 <211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888644H1

<400> 36299

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 agagatcata gaagagatct agtttaattt tgctttgctt taacttgtga ggatttgatt 120
 tcatggaaga acatgctcac tccattggct gttacgcac tccttcaaca cactctcaga 180
 agtt 184

<210> 36300
 <211> 180
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888646H1

<400> 36300

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 tggagtccat gagtgacagt catgataaca tgacagctta tggctataat gatgtgtttg 120
 atgaacctac aatgggttgg gctctatatg ctcatactat gaggatatgg gtttacaact 180

<210> 36301
 <211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888647H1

<400> 36301

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 aatattgcaa tggaccagac agaggaatac gtcaatggac aagtgaagaa caagtatggg 120
 gacgctttca tccgagggaa taatgttcta tacattgaca gctcaaagag gactctagca 180
 ga 182

<210> 36302
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888612H1

<400> 36302

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 gcattttatg gatgtgatgc cctacttcg aagaaagcac caaggacgga catgtaactg 120
 ttggcctaaa tgggtgctgct gtctgtgttg tcgatctacg aagacaaaga ttaaagcaaa 180
 gtccagt 187

<210> 36303
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888648H1

<400> 36303

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 acaagaagag ttgctcgcca aattagaggt gttcaagatc cgagcgaggg acaagcatgg 120
 ccgcaagatc gttcgcatta tcgccaaact cgtcccaggt agattgatta attaattaat 180
 t 181

<210> 36304
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888649H1

<400> 36304

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 tcatcccatg agaagggtg cgcgcccttac atgtgcaaca ctagtctctg ccaactcaaat 120
 tgtcttggtc agttctgcaa gtcatttgca ggcaccttat caaccattcc tcaagtagaa 180
 ag 182

<210> 36305
 <211> 179
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888650H1

<400> 36305

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 caaagagcag tgttccatct ccttttgaat caataatgaa gggagttgca ggggccagct 120
 caagaccttt ggtgcaagac gtttgcacca cctgtggcaa acatgactct tctgagcag 179

<210> 36306
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888569H1

<400> 36306

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 atctgccttg aactttggcg attgggttaat ctttttctcc ctttggttaa tgattagtat 120
 taaaataaat aaatttttgt taaaatctta tgttgtaact agttgttagt gccatctgta 180
 ttataacta aaatataatt acatgttcaa aattgtgata aaaaaaaaaa aaaaggcgcg 240
 ccgccgtt 248

<210> 36307
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888571H1

<400> 36307

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 gcatgatgat tgattgatgg gagcagcgaa ccatataatt taatttaatt tgtgtccaca 120
 tgagaacgtc gtgacctgca ttttctatct cgcaacaccg cgataatggt ataaaatagt 180
 ttcagatacg ttgcgttgat tgattgggtat gaagtgattg actttttttc ttcttctatt 240
 ctcacaca 248

<210> 36308
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888572H1

<400> 36308

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 attgtaggtc tgtaatactc aaaagggagg agcttgtaaa ttactccagt cccgtgactt 180
 aatgatcttt caaatgtctc tttgtgaaag attggaatgt attcatagt tagagcataa 240
 ttttttattt t 251

<210> 36309
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888573H1

<400> 36309

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 caatcgtaat acagttttct ttgatataaa cttgagaggt ttggatggca ttcaagggtcc 180
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 ctcttaaacc c 251

<210> 36310
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888574H1
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 tgccgatgtc attataatgg atgataactt cagcactatt gtcaatgttg tcaaatgggg 180
 acgtgcagta tacataaaca ttcaaaaatt tgtgcagttt caattgacag ttaatgttgt 240
 tgctctgggt a 251

<210> 36311
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888576H1
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 ttccgaggtt acaacaagag attcaagcat ttcagcctta ccctgggatg ctccatgaac 180
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 <213> Glycine max

<223> Clone ID: 700888577H1

<400> 36312

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cctcgtcacg gaaagtacat ggcgtgttgc ctgatgtacc gtggtgatgt tgtgccccaa 180
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<210> 36313

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888578H1

<400> 36313

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aacaactggg ccaaggggca ctacacggag ggcgccgagc tcatcgactc cgtccttgac 180
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<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888579H1

<400> 36314

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ccggcaagat ggagcttcct gactggaccg atattgtaaa aacagcaaaa tttaaggagt 180
tggtctcata tgatcctgac tgggtactaca ttagggctgc ctcaatggca agaaagatct 240
atgtgagagg 250

<210> 36315
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888581H1

<400> 36315

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 ccctgctgat ctgacagttg gacagtttgt ctatgttata cgcaaaagga ttaaattaag 180
 tgcagaaaag gcaatcttta tctttgtgga caacgtcctt ccacctacag gagcaattat 240
 gtcttc 246

<210> 36316
 <211> 247
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 <213> Glycine max

<223> Clone ID: 700888583H1

<400> 36316

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 gcccaaaaat attgagcagg tatgattttg gtcttcttga gttaattatt gcaagttgga 180
 acttaaaagc acataatgat attattacct gtggatgaat gccttttatg tgtaggaagc 240
 ttgttat 247

<210> 36317
 <211> 116
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888585H1

<400> 36317

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 <211> 250
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<223> Clone ID: 700888588H1

<400> 36318

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 cgagagtaca ccatcaacct ccacaaacgc ttgcatggct gcacatttaa gaagaaggct 180
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<210> 36319
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<223> Clone ID: 700888589H1

<400> 36319

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 gagaccatcg aactccaaat cggggtgaaa aactacgatc cacagaagga caagcgtttc 180
 agtggctctg tcaagctgcc ccacatccct cgccccaaga tgaaaatttg catgcttggt 240
 gatgctca 248

<210> 36320
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888592H1

<400> 36320

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caagaggata ttcgttttaa aggaagattg gtggaggagg attttgagag gaagatttta 180
 catgggtttt ggttgaatga caagaatgac atagacttga gggtggcccg gtttgattac 240
 cttatgga 248

<210> 36321
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888593H1
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 tatttggcag agttccatgc aactctgatt ttcgtgttcg ctggtgttgg ttcagccatc 180
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 gtg 243

<210> 36322
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 <223> Clone ID: 700888594H1
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 <213> Glycine max
 <223> Clone ID: 700888596H1
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ccttttcttc acactcaacc tcgttttctt ctacttgtc tctgcatgcg gttatacacc 120
 atgccctggg ccaaacccaa agccaaggcc caacaaacga cactaacctt aaccccagcg 180
 caagtggctc gtgccccgtg gacgactca aactaggtgt atgcgccaat gtgctaaact 240
 tggatgaacgc ca 252

<210> 36324
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888601H1
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 caccgtccct atccctgacg gcatgaagtc ctccatccgc ccggacatcg tcaacttcgt 180
 aactccaa 189

<210> 36325
 <211> 187
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888602H1
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 caaggcacat ccgtgggttt tggaagagga gaaagagaag atttgcggat tggtaggactg 180
 tcagaag 187

<210> 36326
 <211> 189
 <212> DNA
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 <223> Clone ID: 700888604H1
 <400> 36326

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 ccgagaaagg gcgaaaaacc tcgatgaaat cgacggagaa ctcgtcctct ctatcgaaaa 180
 gttgcagga 189

<210> 36327
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 agtgt 185

<210> 36328
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 t 181

<210> 36329
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888607H1
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 gacgattctc tgccatccat gatccatcac ttacaaacta gtactacttg ctttcaataa 180
 aaa 183

<210> 36330
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888608H1

<400> 36330

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 tgctttcctc atacgcccct gttatctctg ctgagaaagc ataccatgaa cagctttccg 180
 ttg 183

<210> 36331
 <211> 188
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888609H1

<400> 36331

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 tgggggggaa acaatggctc aacactcact ggtggtgtta ttgctaactc gagaggggtat 120
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 atcagcta 188

<210> 36332
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888610H1

<400> 36332

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 ctgttatgag ttcctccgcg aaatttcctc ccatactagt tgtaaacggt caggttccac 180
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<210> 36333
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 <223> Clone ID: 700888567H1
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 aatggcgga ttgattctga agaggattac ccttaccgtg gtgttgatgg tagatgtgac 180
 acatatagga aaaatgctaa ggttgtttct attgatgact acgaagatgt tctgcctat 240
 gatgagtta 249

<210> 36334
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888611H1
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 caaccagggg tctctcctt ttactagaa aagatttggt ttctttttat tgaaacaaaa 180
 tagagtaaag taga 194

<210> 36335
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888527H1

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 aggttgacga ggagaagaac acagaagaag ttgttgagac tccaacacca gaaactgtgg 180
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 agccctcggt tgaagtt 257

<210> 36336
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 <212> DNA
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<223> Clone ID: 700888528H1

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 acgatgagag agaggagaag gagttggatc tcacttctcc ggaagttgtc accaagtaca 180
 agagcgccgc ggagattgtt aacagggctt tgcagttagt tatttcagaa tgtaaaccga 240
 aggcaaagat tgttg 255

<210> 36337
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 <212> DNA
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<223> Clone ID: 700888529H1

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 gcaaggattg tcgctatggt gtaatctcaa tgtgcatagg gtcaggtatg ggagctgctg 180
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 aacgatcttt tgtca 255

<210> 36338

<211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888531H1

<400> 36338

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gaaattgttg taagtgataa tgttctggcc ttgtggc 97

<210> 36339
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 <212> DNA
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<223> Clone ID: 700888532H1

<400> 36339

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gagaggttag tttgggagca ctagagagat ttgtggccag atctaagaag cttaagagtt 180

taaagctgca tcgttcggtg cccgttgatg cactgcaaag gataatgatg cgagcacctc 240

aactatcgga tttggg 256

<210> 36340
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888533H1

<400> 36340

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ggctggttat gccgccactc ttg 83

<210> 36341
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888534H1

<400> 36341

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cacaacatcc ctctaaaaca ttgagggata aaataaaaaa catgaagaaa tttgtactca 180
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cagggattga tgcc 254

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<210> 36342

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888536H1

<400> 36342

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ttcactcaaa gtcactgccca ttgtgtcacc ctccacttgt gatgaggttg agtcaattt 180
cactagagag aatttgatcc aatacgcgaa agacatcaat gtgtcatttg aattcaatgt 240
tttgagcatt gaat 254

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<210> 36343

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888540H1

<400> 36343

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tatcggttgg ttggaggcat agtatggcac tgacgtctac tggactacta tatggatggg 180
gttgaataa gtttggacag gttggagttg gtgacaatgt tgatcgttgc tctcctgtgc 240
aagtgaagtt cccc 254

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<223> Clone ID: 700888541H1

<400> 36344

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 aaaatctcca aactagaaga cctcaaccct tcaaaccatg tcaacaacct cttcacccaa 180
 cttgtcaciaa tttgcaccac cccatgccaa atagatgtta ccaaactaag ccaacaagtt 240
 agagaaacca tagcca 256

<210> 36345
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<223> Clone ID: 700888543H1

<400> 36345

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<210> 36346
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<223> Clone ID: 700888544H1

<400> 36346

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 <212> DNA
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<223> Clone ID: 700888554H1

<400> 36350

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 cgtgaagagc gtgcgcgcctc ctctatcctc ctcgcatctt gcctccaccg gccccgtcat 180
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 c 241

<210> 36351
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888555H1

<400> 36351

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 gccattggga atgctggaac tgcaataggg atcttgtcaa aagatggggg agttctgggt 120
 ggtgaaaaga aggtcacatc caagctgctg caaacctcaa cctccactga gaaaatgtac 180
 aagattgatg atcatgttgc atgtgctgtg gctggaatta tgtctgatgc caacatctta 240
 atcaatactg ct 252

<210> 36352
 <211> 254
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888556H1

<400> 36352

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acccttattg gcaagtcaat tggggggttag ttttttcgat gacaagcttg gtgctctttg 180
catgcagtgg ttacaggata aggttcattc aattcgtgaa gcagctgcta acaacttgaa 240
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<210> 36353

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888559H1

<400> 36353

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gggtgagcgag cagttcacgg ccatgttttag gaggaaggct ttcttgcatt ggtacactgg 180
tgaaggcatg gacgagatgg agttcacgga ggcagagagc aacatgaatg accttgtgtc 240
tgagtaccag c 251

<210> 36354

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700888560H1

<400> 36354

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agtgtcctga gatcgaggtg gtcgtggtgg acattgctgc accgcgaatc aacgcgtgga 180
acagcgacca cctcccgata tatgagcctg gccttgatga tgtggtgaag cagtgcaggg 240

ggaagaatc

249

<210> 36355
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<212> DNA
<213> Glycine max

<223> Clone ID: 700888561H1

<400> 36355

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tcgtcgtcgt cgtcttcgtg ccctaatacgg ttctcacgtt gcgggtgcag atgattgac 180
gattgattgg gctataaaac gctgccaccg accatgatca accattcata atcc 234

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<211> 253
<212> DNA
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<223> Clone ID: 700888562H1

<400> 36356

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tgctttgggtg agggaatcca cactctctga cccctccaag gcaagcatca tccacaattt 180
tgaggccttg ggcgttaatt tgggccggcg gggatctgta cgatcatgag aagttgggtga 240
aagctatcaa gca 253

<210> 36357
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<212> DNA
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<223> Clone ID: 700888563H1

<400> 36357

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ctgtccccc cccgaggctc cggtcggaaa cggggtcggg ttgtccgctg ttaagtgatt 180
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ttgatattcg gggc 254

<210> 36358
<211> 251
<212> DNA
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<223> Clone ID: 700888565H1

<400> 36358

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gctgattctt ctgatccagt acaacaacgt tgtcaacgcc tacaacaaca aaaactgtgt 120
cacagaggat tgcctcatcg gcaacaagga tttggaatca gagggtact ttggatccca 180
tgtggccaga atgctctacg atgtgagcca atctgtgagt ggcaaaacag gcaataaaaa 240
taacaaagct g 251

<210> 36359
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700888566H1

<400> 36359

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ggaaaagaat catcaaatag tgtcaatgaa atagaagcca ctaattccct acttatctgt 120
ggccttccag atgatctttc tcttatgtgc ctagcaagag ttcctagaaa atatcattct 180
gttctgaagt gtgtctcaa gagatggagg gacttaattt gcagtgaaga gtggtatcat 240
tatcgccgaa 250

<210> 36360
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700888526H1

<400> 36360

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gaagaagaag cgatgagttc gggtagcagc cacagcagtg agaaggagaa ggagaaacag 120
agggtgagtc gcacgtcgct gatactgtgg cacgcgcacc aaaacgacgc cggatcggtg 180
cgcaagctcc tccaggagga tcctcgcctc gtcaaggcca gggactacga caaccgaacg 240
ccgctccatg tggcgtcctt 260

<210> 36361

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700888488H1

<400> 36361

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gtatccgat atgaaattgt tggctttcag gttacccctt gcagtgttaa gcgcgaccct 120
gaagtcatga caaaactcca catgtatgac aatatctact cgacaaactg tccatctgag 180
ctagacaagt accaaccgat taaagagcaa gagaggatat catttacata tgaagttgag 240
tt 242

<210> 36362

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700888490H1

<400> 36362

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agatcagcag cggcaagatg ttcggaggct acaacaagag gttcagacat ttcagcccta 120
ccctcggtg ctccatgaac ttccacatct acttccctcc atctccttct ccctctcaca 180
aattcccagt cttgtacttt ctctctggcc tcacatgcac ggacgagAAC ttcattttca 240
agtc 244

<210> 36363

<211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888491H1

<400> 36363

gcaattgtta gggccagtgc tgtagcaca ctggcaaaat ttggtgctgc tgttgatgtg 60
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 cgtgataggg ctacacttta cctggacaca cttggagggtg atggttcagt tgttgagact 180
 gataaagatg taaaggactt cccgtttggg ccatttgata tcccacttgt caatctggag 240

<210> 36364
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888493H1

<400> 36364

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 attctatcca aaatcgtttt ccgatgacga taaaaactgt taaagtcagt aacgtttcct 120
 tgggagcaac tgaacaagac attaaggagt tcttttcatt ttctggtgat attgaatatg 180
 ttgaactaca gagccatgat gaacgatctc aaattgcttt tattaccttc aaggattcac 240
 a 241

<210> 36365
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888494H1

<400> 36365

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 ttcagatgcc atcctagatg catgcttgga gcaagacca gaaagcaagg ttgcttgcca 180
 gacctgtaca aaaactaaca tggttatggg ctttggtgag attacaacca aggccagcgt 240

ga

242

<210> 36366
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888495H1

<400> 36366

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gatctatcat ggctttgccc aatcagcaaa ccgtggatta ccctagtttc aaactcgtca 120
tcgtcgggtga cggcgggtaca ggaaagacaa cgttcgtgaa aaggcatctt accggtgcat 180
tcgagaaaaa atacgaaccg accattggag tggaggttca cccattggat ttcttcacaa 240
act 243

<210> 36367
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888496H1

<400> 36367

attaaatgtt acagcagtgg tggagtgaat cacataaaaa attgagaagt taagacagaa 60
agccgtcctt gtttcttggc tgatatttag gaacccaatt tcgtatttaa attctgttgg 120
atgtaccgtg actcttgtgg gatgtacatt ctatggttat gtgaggcaca agctctccca 180
acagccacaa gtcccaggaa ctctcggac acccaggact cccaggaccc ctcgtagtaa 240
gat 243

<210> 36368
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700888501H1

<400> 36368

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ttgcaaccat ggtgcaagaa aatggcaaga ggaagaaacc aaacattctg gtgactggca 120
 caccggggac aggaaagaca actgtgtgca ctgctctagc tgaagccacc cagctctgcc 180
 acatcaatgt cggagaatta gtcaaagaaa agaacttgca tgatggatgg gatgatgagc 240
 ttgattgtta ccttcttaat g 261

<210> 36369
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888503H1
 <400> 36369

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 cgttccaaga tcttgtctga agagtccggc tgggacaagg atcttgccaa gaaaatctgg 120
 tgctttggcc ctgagaccct tggaccaaac atggtggttg atatgtgcaa gggagtccag 180
 tatttgaatg aaatcaagga ttctgtggtt gctggattcc agtgggcatc aaaagaaggt 240
 gctttggctg aagaa 255

<210> 36370
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888504H1
 <400> 36370

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 ggggtctgta agaatggaag tggtagatt tgaaaatgat ggagtcccc gaagaatttc 120
 aaacataatt ccagtccttc atgataatta ccatgaatta ctggaacttg ctgcctcatt 180
 ccgatctcct cttggtaaac ctgcaaccaa aacttcaagc attgctagac gtgtagagg 240
 tgccttagg caggttga 258

<210> 36371
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888505H1

<400> 36371

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 tgttcattggt gcaacaggag attacacaac ctttgcgtg tctgatgatg gtgatgtgta 120
 ttcatttggc tgtggagaat ctgctagtct tgggcataat gctgctggaa atgatgagca 180
 gggcaacaga catgcaaagtg tgtaagtcc agagcttgct acttcactga agcagatcaa 240
 tgaacgggtg gtacagatta 260

<210> 36372

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888507H1

<400> 36372

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 caacatttca agagaaatgt tgcaacagaa caagatcttg aaggatcatcc gtaagaactt 120
 ggtcaagaag tgccttgagc tcttctttga aattgcagag aacaaggagg attacaacaa 180
 gttctatgag gcttgctcta agaacttaaa gcttggtatc catgaggatt cccagaacaa 240
 gggaaagatt gct 253

<210> 36373

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700888509H1

<400> 36373

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 cggtccgttc acttctactt tcaagggtgt gtattacatg aatcgttggt tgaaagatgt 120
 ttgactgtgg ttacaagtcg caatatgtgg gtgggcaatg tgaaaaattt gtgagggttg 180
 atgacttgga ttctagacta tcatcatctt ctgaagctgc agttaaaaca tgtggattta 240
 gtattgataa attaagccat gg 262

<210> 36374
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888510H1

<400> 36374

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 agcaaatcga gattcaggag gtttcttg 89

<210> 36375
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888511H1

<400> 36375

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 tcatctaaat atctgactgc ctcttcagcc aaggcaaaag ggcttttctg gttttccctt 120
 gaaataaagg ccaagttgct acacgttgaa ttttactgaa actgtcattc ctgaagttca 180
 ttatgtaa atgaagtgtga gaactcagtg ccgtattgaa gaaatgttca aatttatgtg 240
 ttaaatgcta ccatagtga 259

<210> 36376
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888512H1

<400> 36376

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 gatcagattc tgattccgac acagtaacag tatgagcgtc atcgacattc taacccgagt 120
 cgattccatt tgcaagaagt acgacaaata cgacgtcgat aagcaccgag atgctaattg 180
 ctctggcgac gatgcctttg ccagactcta cgcctccgtc gacgccgaca tcgaggccct 240
 acttcagaaa gcagaaagtg 260

<210> 36377
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888513H1

<400> 36377

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 tgtccgcctt gaccgagcag agcttcgtct tggccctcga ttttgcccta aagtactctc 120
 agtcacaaca gacaccgtcg tcgtcgctcg cgatcatcaat ggcaccgaag cagaccaagg 180
 ctgagaagaa gatcgcttac gatgcgaact gtgcgaccta atggaggagt acggccagat 240
 cctcgttgtg aactccgata a 261

<210> 36378
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888514H1

<400> 36378

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 catgtaacat ttttgttttg taatttgga ttattttttc aatatcaaag taactgtata 120
 agctataaag catgaattac attattgtct gg 152

<210> 36379
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888515H1

<400> 36379

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 gaaggcaatg gtggccaatgc ggggtgctgcc cttatgccta acagaaatga tgctggtctg 120
 gctgcttctg aattagccct ggctgtagag aggcattgtg tggattctgg ctcaattgat 180
 actgttggca ctgtcgggtat cctggaactg catcctggag caatcaacag catccccagc 240

aaatctcacc tagaaattga c

261

<210> 36380

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 700888516H1

<400> 36380

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gactctgact atttggaatc tgagcaaaga cttgaaaaat ggtactcttt gaatccatgt 120

aaggtaatca tt 132

<210> 36381

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700888518H1

<400> 36381

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aagcgaaacc tgaattaagc ctcttcttct tcatcgaatc gaaacaacct cgtccgtgct 120

aaggaaactc aacgacagag actgcaacaa tgtacgtaga tcacgcgttc tcgatttcgg 180

acgaggatat catgatggga acctcgtaca ccgtcaacaa caaaccccc atcaaggaga 240

ttgcctcgc cgtttcc 257

<210> 36382

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700888520H1

<400> 36382

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tgtatcataa tgcttgactt gactctgaga aataataaat tcagttatct gtttgttctt 120

gtagtagttc ttaaggatga aatcttcact tgctgtatct ctgggttccc tttgtaataa 180

atgtttgtat attaataaat gttttatggt atgggttat

219

<210> 36383
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700888522H1

<400> 36383

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caatgcccag tattactgga ttcaagagga catgggtctt agaaaagttc ttatctacga 120
atthagccgg ttgaatatgg tctacactct tctgagcaaa cgaaagcttt tgtgggttgt 180
acaaaatggg aaagttgatg gatgggatga tgcacgattt cctacagtgc aaggaattgt 240
gcgtagaggt ttgaaaa 257

<210> 36384
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700888523H1

<400> 36384

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aatgttggtt gacaaagcat gtctttaaga tcacaaagca gtatttggct aatgtgtctc 120
tgaaaatcaa tgtcaagatg ggaggtagaa acaccgttct tgttgatgct gtaagctgta 180
gaataccatt ggtagtgac ataccaacta taatatattg agcagatgtt acccatcctg 240
aaaatggaga agactcc 257

<210> 36385
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700888524H1

<400> 36385

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attgccatgg ctccaaagga tcccaagcaa gttgctgatg ctgcttcttc tgggtggtggg 120
 ggtggcctttt ttgcttctat tgcttcacgc ttgtccaatt tcggtagtgc catgtccaaa 180
 tccgttaatg gtttgggtggg ctacgagggg ctggaggttg ttaatccaga tggaggaact 240
 gaagatgctg aagaggaa 258

<210> 36386
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888525H1
 <400> 36386

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 aaccctatct ccacgcgtc cagtctcacg cgcttcttcc acctcagcaa aaatacaata 120
 gtcttcacag taacttcagt cgttgagaaa acacaagact ttcattgtag aaccgtactc 180
 ctcgactcgc ccgagttcga ctcgctcacg aagactcgga ttcagatata tcctccgagt 240
 ccactcgttt cccccgtgac tca 263

<210> 36387
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888487H1
 <400> 36387

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 agccttcacc caagaagcta ctaccgctgt acccataaca actgtagggt gaagaaaaga 120
 gttgaacgac tctctgaaga ttgtcgatg gtaataacta cctatgaagg cagacacaac 180
 cactctectt gtgatgactc aaattcatcg gaacatgaat gtttcacctc tttttgaac 239

<210> 36388
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888455H1

<400> 36388

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gaagatcgca aacctgagaa tcttcatgca ccgaatcttg ggatggacag aatgatggga 120
agactgcctt ctttcccaat caaggagag gctgttaciaa atttggattt cattcggaag 180
aggaagatct ctggtgactt caacatgata atggatcaga aaatttacac atgcaacaa 240
cctcag 246

<210> 36389

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888456H1

<400> 36389

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cgcgctcattc gcagcaacca ccgaacactg aatcgcgatt cgcagtgtat gacgagcgct 120
tcggagctat tccacaccag aaggcatcga ttgggacgaa atgctctcga tctagggctc 180
gacaccgaac tccacgccgc cgattctctc cgccaactcc gccttcgtca ctactacctc 240
cgccgcca 248

<210> 36390

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700888457H1

<400> 36390

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tgcaaaagga ctacaaaatg tttcccacca tcagtgaat tgggttaaaa ttgattggtc 120
taccggaga ccccaaattg atttcccagt tcagtgtgtt atatgttctc ttgaagacgt 180
gagcacaata aagcctggga aggtaaaaat tagtggatat gcagcatcag gaggtggcag 240
aggcattg 248

<210> 36391

<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700888458H1

<400> 36391

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gagttaagat agctttggca gagaaaggaa tcaaatatga gtacatggaa caagatctca 120
ccaacaagag tactttgctt caagaaatga acccaattca caagaagatt ccagttctca 180
tacatcatgg aagacctatc tgtgagtccc tcataattgt tgagtatatt gataatgggt 240
gggac 245

<210> 36392
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700888459H1

<400> 36392

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attagattgg tttgtgctgt ccttttggtg acactgctga gctcacaggt agctgagagc 120
agaaaagtca aaactgttgg tacttccttt aagtacgaag ctataaattg caggactcat 180
agtgcctcat tgactgattt tgggtggtgt ggagatggaa agacatcaaa cacaaaggca 240
tttcag 246

<210> 36393
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: 700888460H1

<400> 36393

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ctttccaaat ggccagcggt gaggtcgcae atcaaacc accaagagtt ccagaaaatg 120
aaacaacaga ggtaatacaag acccaggaaa caaccccgga accagtacca gccactgagg 180

cc

182

<210> 36394
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700888462H1

<400> 36394

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cacacagaga aacatgtctt cccaagcaa gcgccgagag atggacttga tgaaactgat 120
gatgagtgat tacaaggtgg agatgattaa tgatggaatg caagaatttt atgtgcaatt 180
tcatggaccc aatgacagtc cttatcatgg tgggtgtgtg aaagtaagag ttgagttacc 240
ggatgctt 248

<210> 36395
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700888463H1

<400> 36395

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agatgtttgt gaaatagcag caggaggat tccagttcct ggatataccta cctcttcttt 120
aacattggag atggttgaca accaatgtta tgatgcatgc agaaagaagc ctgcaactct 180
caggagtctt gatcaggaga ggaagaaagg gggttccttg acagaagagg aacatagacg 240
ttttctt 247

<210> 36396
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700888464H1

<400> 36396

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tggcgggccgc ggcggcagtg acggtgctac tcccacctag gattccgacc gccaccaacg 120
 ttacccgctg ctctgctttg ccttctctgc ctctctcgcg caccaacact aaaaccactt 180
 tgctcttatc ttccctcaac cacttctcag tgtcccgaaa atcttctctg cttcagacca 240
 gagcttctt 249

<210> 36397
 <211> 103
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888465H1
 <400> 36397

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 acctcctata cacatcaacg cttcgctttc ccaaacttt acg 103

<210> 36398
 <211> 95
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888466H1
 <400> 36398

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 aacggcgcct ctgcggccca gcccctaaac ttctt 95

<210> 36399
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888467H1
 <400> 36399

caagactttg cctaaggaga agactcttct gcctgcagat cctgctaagc ctccagccaa 60
 ggcacagggtg gtaggttggc cacctgtgcg gtccttccgg aagaacatgt tagctgtaca 120
 aaagagcgtc ggagaagaga acgagaagaa cagcagcagc cctaagtcaa gctttgtcaa 180
 agttagcatg gatggagcac cttaccaccg caaagtggac ttgaagatgt acaagagtt 239

<210> 36400
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888468H1

<400> 36400

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 agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccgccgaca 120
 cggtgaaggc ggctttggct gagttcatct caaccttcac cttegtgttc gccggctcag 180
 gctccggcat cgctacaac aagctcaccg acaacggcgc tgccaccct gccggcct 238

<210> 36401
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888469H1

<400> 36401

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 aaggtcttct tcgacatgac tatcggcggt caacctgccg gccgcacgt gatggagctc 120
 tacgccgacg tgactccgag caccgccgag aacttccgcy cgctctgcac cggcgagaag 180
 ggcgcggggc ggagcggcaa gccctccac tacaaaggct cgctcttcca ccgcgtgatc 240
 c 241

<210> 36402
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888470H1

<400> 36402

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 gattgtttta tgcaaggaaa gaaatgagga ttctgatggt gggctttgat gctgctggga 120
 aaacaacaat actctacaaa ctgaaacttg gagaaatcgt cactacaata cccacaatag 180

gcttcaatgt ggagactggt gactacaaaa atgtcagctt caccgtctgg gatgt 235

<210> 36403
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888471H1

<400> 36403

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ctgggaagcc gctggtgatt gaagaagtgg aggttgcgcc accgcaagcc ggtgaaqtcc 120
gtttgaagat cctctacacc tctctttgcc aactgatgt ttacttctgg gatgcgaagg 180
gccagactcc attgtttcct cgcatttttg gccatgaagc ttcggggatt gtggagagcg 240
tag 243

<210> 36404
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700888472H1

<400> 36404

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aaaaaagaaa aaaacacaca aacttaacct aaaactgtaa cccagtatg ccattgcttca 120
caccacacca ttctcttctc ctctctcttc tctctatttt cttcttctct ctctccgtca 180
ccgctgcaag aacctcttct ttccattcct tacgtattca agatggaatt gaggggtggtg 240
gcgagg 246

<210> 36405
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700888473H1

<400> 36405

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acgccgcttc cgcttatgtc tctcgaaacg cagtcgttga tgaccgcaga tccgacccctt 120
 cctcccatcc cctttttccc ttcagaggtt ttgctactga atccctgac cacccaatag 180
 aaaacagcat tattcctgag attcctgcaa ctgttactgc tgtaagaac cctacttcta 240
 agat 244

<210> 36406
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888474H1
 <400> 36406

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 acgtaaagga ttgggatttc gatggagact gacagacctg acggccggac tcccaatcaa 180
 ctgagacccc tggcctgctc ctgctctatc ctgcatcgcg cccatggctc ggccagttgg 240
 gctcaa 246

<210> 36407
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888475H1
 <400> 36407

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 ggacagttgg agtttaaggc taccctcttt gttcctaaga gggcaccttt tgacctcttt 180
 gacacaagga agaagcctaa caatattaag ctttatgtcc gccgtgtctt tatcatggac 240
 a 241

<210> 36408
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888476H1

<400> 36408

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 ctcataagct catgttttgg gctcagtaca aggcgcctgc atatatgggc agtattttctg 180
 tctgtgtctg tttattggct gcagtgggtg ctcttggatt agctctcttg atagtaccac 240
 ggc 243

<210> 36409

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700888477H1

<400> 36409

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 cttcttcttc tcttgtttcc ttctcttctg tctcctctca gtccttctct gtgtttccat 180
 gttctctggg attgagacag gagatttaga aaaaagagat gatttgtttc cacagattct 240
 aag 243

<210> 36410

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700888479H1

<400> 36410

ataccccttg ttaacattac ccgtggcatc tatgggcatg cctcctcaag gtttcattgt 60
 tgctcctgag ggagaagtaa tacagaattc aaacccatgc gcac 104

<210> 36411

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888480H1

<400> 36411

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 caagttgtgc aattgcagca tatccagaac accaagaagc tctcttactc attctcacat 120
 tcctactccc aagcctaaga ggtaccggag agaccaccgg catcatccaa gggatgaaca 180
 ttccgacgcy tggcaggcca actcgtcgac agccacctca tcttcgccac tctccaacgc 240
 atcgtcg 247

<210> 36412

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700888481H1

<400> 36412

gcagagttat gttgctggtg ctggggcaca acggataatg ggtcctacag gtagtgctcc 60
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 acctactaca ccttttcctt atccaggatt tccatttgaa accaattttc cattatcttc 180
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<210> 36413

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888482H1

<400> 36413

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 gttaggatca gtcattgtctt cataaatatg tttttatctt ttttttttat tttatcaatt 120
 ttcacaaaaa ggggtttaac cagccaacca attaacaatc ttccttttgg gtaagggggag 180
 gcaatatcta actactgttt ttttatcctg taaattcaaa gaggctaaac tatgg 235

<210> 36414

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700888485H1

<400> 36414

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 tttgagaaga agtttgggca atcatctgtt ttcatagtct caacactctt ggaagatggg 120
 ggtgttccaa aagcagcaag ttccgcaaca ctcttgaaag aggccatcca tgtaattagt 180
 tgtggttatg aagataagac agaatggggg aaagagggtg ggtggatata tggctc 236

<210> 36415

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700888454H1

<400> 36415

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 cccaaaagaa cattcattca tttctttctt ccccgctgac cagcagcact gaaacgacgc 120
 aaaa 124

<210> 36416

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 700888419H1

<400> 36416

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 tgtatttcac tgccaacaag aacagcacia acaaacaac catgaaacct ttcgtggc 118

<210> 36417

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700888420H1

<400> 36417

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 tttgttctta tattggcttg ctttttattt ttatttttgt ccatctggta tattggatct 180
 catgtttccg taatatgttg ttgttcttat gcatggcttt tgtttaca 228

<210> 36418
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700888421H1
 <400> 36418

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 gctaaaacaa caggaaacac acattcggaa tataattgaa gaggaggagg aaagttttgg 120
 gagaacctta attaaggga ttgagaaatt tgaggcagct gttcgacaag ttcagggaaa 180
 cataactgaac ggggaggaag catttgtctt gtgggataca tatgggattc cattagatct 240
 cactc 245

<210> 36419
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888422H1
 <400> 36419

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 atgtgtagga taggtgggag gtgatgacac agaacgacca atcctgaaag accactcttt 180
 cgtctaagga tgcctaaccg ccgcaccgaa aattcggggg ggggcgggac actgcgaggt 240
 gggtagttt 249

<210> 36420
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888423H1

<400> 36420

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agaagaagaa gaaggagaag aagaagaagg agcatggcca tgagcatggc catgacagca 120
gcagcagcag tgacagtgat taaactgctg catcacctat atatttaaaa ggtttatggg 180
accatagtag cgagggctgt gccttaattt ctctctctct ctctctccct atctctctct 240
ctctctcttt t 251

<210> 36421

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700888425H1

<400> 36421

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tatgttctta attacttggg aacaaaat 88

<210> 36422

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888426H1

<400> 36422

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cctcttcttc cttcacaaaa aactgagaaa ggaatgaaag tgcagccatt ggcattgccca 120
agaacagcac caccacctcc tccaacacca ccaaaatcac tagttggatt gaaatcagtg 180
cgtcgtgtgc cagaagtaat agaactgtat cgttctctca caagaaagga tgccaacaat 240
gataacaaaa taagt 255

<210> 36423

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888427H1

<400> 36423

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 tcttcgcaat cgcacaaccc atttgcccct ctctccaga ttcaccacca ccaccaccac 120
 ctctctctgc ttccactctc ccataattca agccaagttg ccttttttca ccaattccga 180
 ctcttttcaa gtgggtcgac ccattggcac ttatggcttc atcaacgtca ccagctactc 240
 tgcctttccc t 251

<210> 36424

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888428H1

<400> 36424

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 atagattgat ttggcaaccc caattccctt ttgattattt tttttttttt atgaattaa 120
 gcaatggggt ttggttctta gtgttttttt ggacgcacga aagatgattc cttgggggtg 180
 cctcagttgc tgtttgagtg ctgctgctct ttaccttctc ggcagaagca gtggcagggg 240
 tgcggaaatt 250

<210> 36425

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700888430H1

<400> 36425

tgagaaagac acaaagcgta agaggcagtg tacatgacag gaacactgct tcttacgctt 60
 tgtgtctttt gcttgaaa 78

<210> 36426

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888431H1

<400> 36426

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 tcccaatggc ctcttctcct cctcttctcct ccgctattaa ggatgccaaag gtgcttatgg 120
 ttggcgctgg cggaattggc tgcgagcttc tcaagaccct cgccctctcc ggtttccctg 180
 acattcacat cattgacatg gacaccatag aagtcagtaa cctgaacagg caatttttat 240
 ttcgacaatt cc 252

<210> 36427

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888432H1

<400> 36427

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 tatttcattt actcatctta atcaatatta aataagaaaa gatgggagag atgtcaaact 120
 tccaattggg tgtgattggt gcaactatttc tctctgtggc ttcttctgtc tccattgtca 180
 tctgcaacaa agccttgatg agcaatcttg gcttcccttt tgccacaacg cttactagtt 240
 ggcatttgat ggtc 254

<210> 36428

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700888433H1

<400> 36428

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 agggagataa aagtgcagaa gctcgtcctc aatatctctg ttggcgagag tggagatcgt 120
 ctcaccagag cctccaaggt g 141

<210> 36429

<211> 245

<212> DNA
 <213> Glycine max

<223> Clone ID: 700888434H1

<400> 36429

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 agctatgtta aagtcagtgg agctttgagg cattgtgctt tcatgggcat ggcaatgcat 120
 ggatgcatac tttcagaaat acaggcaccc ccagaaaaga ggctgggtttt cagcattgaa 180
 cttcagaagg ttggcactga aggagctaaa gtattacgcc aacttggaag caaagtggaa 240
 aatat 245

<210> 36430
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888435H1

<400> 36430

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 ttctcgctg actccgatga gcatcagact cctcctaccc gacagggttc atcgaaaact 120
 acttgctgag tttgtggcga tgagattgga tacaaggaaa atggggagct gtttgtggct 180
 tgtcatgtgt gtggatttcc tgtttgccga ccgtgttatg agtatgagag gagtgaaggg 240
 aa 242

<210> 36431
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888437H1

<400> 36431

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 agaagaagaa gaaattggag ggggtgtgtg atcgggtcct caggatgaaga tctgaggcgg 180
 ttggtgtctc ttttcttttc tccgagttcc aaagatgagc gcttctaggt tcatcaagtg 240

cgtca

245

<210> 36432
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888438H1
 <400> 36432

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 aagtgaggct gaacagaaag gatgggatag cgaagggtggc gggaacgata ttctgtgtgg 120
 ctggggcgac ggtgattaca ctatacaagg gtccaacaat atatagccca agtccacctc 180
 tacagagtga gagctcagta gtagttgagt ttgggacact ctcatcactg ggagatgcaa 240
 agggga 246

<210> 36433
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888439H1
 <400> 36433

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 atgctgaagc tctcagaaag gcttttgaag gatggggaac tgatgagaac actgtcatag 120
 taattttggg tcatagaact gtgtatcaga ggcagcaaat cagaagagtt tatgaggaaa 180
 tttaccagga ggatcttgtg aagcgcctag agtctgagat caaaggagac tttgagaaag 240
 ccgtgtac 248

<210> 36434
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888441H1
 <400> 36434

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accggaatat taagaagctg gtgacttcaa gagaaagaaa cggctttcta tccaaggggc 120
 agtattgttt ggacaggggg aaaggaagtg gcaaaaaatt cgaaagaaga tgggtattctg 180
 ataaagagct tcttttcctt tgttttttgt tttttgttt ttgagggatt aaatgatgct 240
 ttttctttat 250

<210> 36435
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888442H1

<400> 36435

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 tctggagagg atgagcgtgg agcagctgaa ggcggtgaaa gagcaagccg atctggaagt 120
 taatcttctc caagacagcc tctccaacat tcgcaccgcc accacccgcc tcgagatcgc 180
 ctctctcgcc ctcaacgata tctccctccg ccccagggc aaccacatcc tcgtcacct 240
 caccgctcc 250

<210> 36436
 <211> 103
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888443H1

<400> 36436

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 ctctctcgtc tattegccgc caccgcatcc tgcctcacct gca 103

<210> 36437
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888444H1

<400> 36437

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gatattggtt ctggaaattt tgctgtggcc aagcttggtt gagacaactg caccaatgag 120
 ctttttgctg tcaagtttat tgagagaggc cagaagattg acgagcatgt ccagagggaa 180
 atcatgaacc acagatcatt gaaacacccc aatattatta gattcaaaga ggttctgttg 240
 acaccaac 248

<210> 36438
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888445H1

<400> 36438

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 tgcatttgaa ggtcttaaac ttaactgagc ttgaattaaa tcgggtggat gtacgcgtgg 120
 gattatcagg tgcattatat tatatggatg gctcttctca agctgtgcgg caattgcgtg 180
 gtcttgtttc acaggatcca gtgttgatga gtgtgacagt tgggtgtttcc cactttgaaa 240
 gatgtg 246

<210> 36439
 <211> 247
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700888446H1

<400> 36439

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 aatagtata tggaggcaaa ggggtgtgcg ttcttagcgt atcaatcaat attttcgagc 120
 gttgatctg gggacttcga tgggggtgaag aaactggtgg aggaagtga gaaggaagaa 180
 gggatcatgc tctctgatgt gatgtctctt cagaacgatg ctggagagac tgcgctatac 240
 atcgctg 247

<210> 36440
 <211> 151
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888447H1

<400> 36440

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ttctctccac acaacataag gaacgaataa ccttntctcg aatcttcaaa agnaatnnac 120

taaaacannt tnaantctctc cgctctcaaa t 151

<210> 36441

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700888417H1

<400> 36441

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<210> 36442

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888448H1

<400> 36442

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ttctctctct ctctcttcta ttttcaaatt ctacatcatg ggcacggagg ttctacggcc 120

acaagattgt ttcacccaac gcacggtgt tccaccgcct ggcttttccc ggcgaagaac 180

ctattgtacc caccacaaca acaaaaacaa taacgttaac aattatttca ggggtaaccg 240

gaagccgaca 250

<210> 36443

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700888450H1

<400> 36443

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ctcctagacc tcctctctcg agggctcctt ctccaaggcc tccgtctcca agggctgctt 120
ctc 123

<210> 36444

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700888451H1

<400> 36444

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ctcactggtg ctcttggttg tggacctgat gcatatgatg actttgctga tgaaagagat 120
aact 124

<210> 36445

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700888452H1

<400> 36445

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ggagctgagt ggaaagggga gaccccgtgt attctatgat gttacgttga ctttaaaagc 120
gttgggagta ggcattttct cggctgaagt tgtagacat tcaacacaag aacgtca 177

<210> 36446

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: 700888453H1

<400> 36446

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actaaa 66

tggtgtcaca tgtgctctca aatggtcaat cccatcatgg atatggaaat cagatgcccg 240

<210> 36450
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700888387H1

<400> 36450

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attacactgt cctcattgga gattggtaca agctcaacca cacggatttg atgtctctgc 120
ttgatagcgg taggaagctg cctttcccca atggaatcct aatcaatggc cgtgggttcta 180
atggtgcata tttcaatgtg gaacaaggaa agacctacag gcttaggata tcaaattgtg 240
gg 242

<210> 36451
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700888388H1

<400> 36451

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gtttttggac tatactttcc tagattttca ggggtgccatc atgtgtcaaa agctattgac 120
gaataatcca tctccagatc caatcttggt agtagagtca caaccaaaaa tgcgatgttt 180
cttctcgaag ttgctgtgta agtttagtcc accaagtaga agagattgac gaaggaggga 240
tgatgga 247

<210> 36452
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700888389H1

<400> 36452

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tggcctcggc gtcgagatct ccttcgtccg atcggacacc atggactcct ggtcagacat 120
 tcagatctcg actatggcag cggcgggcaa cgacaagctc aacgcattcg tcgcacagta 180
 ctccatatac gaagatcccg acatcgctac gggtagaaca ccaacgcagc ttct 234

<210> 36453
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888390H1
 <400> 36453

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 gcagaacaaa accaaaacca aacaactgaa gctggaaggc accaagaggt tggtcacaag 120
 agccttctcc agagtgatgc tctttaccag tatattctgg agacaagtgt ctacccaaga 180
 gaacctgaat ccatgaaaga actgagagag ttgacagcaa aacacccatg gaacatcatg 240
 acaa 244

<210> 36454
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888391H1
 <400> 36454

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 ttagcaggag cagacttagg agatagaaaa atcagctcct tttcccctta gtttcagaag 120
 gaattgattg ctcgacgatt gctacttttt taaggaacgg gttcaagaga tggagaacga 180
 gtcaattatt cagagcaata acaatacgaa cacaatgtct agtggttagag aaaaaaacgg 240
 agg 243

<210> 36455
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888392H1

<400> 36455

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 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120
 gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
 ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240
 gt 242

<210> 36456

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700888393H1

<400> 36456

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 catcattttc tacaaggctt cttctgcatt cacacacacc tctagtatgc agaagaagat 120
 gcagacccaa ttttctgagg atggtgactc gtcctgtct cgatgacagc tctgctctcc 180
 tccgagcagc gcaacacact gtggatacat acgtgaaaag tggcatgggt gtaggattgg 240
 gg 242

<210> 36457

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700888394H1

<400> 36457

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 tgtaacaaga tggatgccac taccaccaag tactctaagg ctaggtatga tgaaatcggt 120
 aaggaagtct cttcttactt gaagaagggt gggtacaacc cagacaagat tccctttggt 180
 cccatctctg gttttgaggg tgacaacatg attgagaggt ccaccaacct tgactggtac 240
 aag 243

<210> 36458
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888395H1

<400> 36458

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 tgtaacaaga tggatgccac taccaccaag tactctaagg ctaggtatga tgaaatcgtg 120
 aaggaagtct cttcttactt gaagaagggt gggtacaacc cagacaagat tccctttgtt 180
 cccatctctg gttttgaggg tgacaacatg attgagaggt ccaccaacct tgactggtac 240

<210> 36459
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888396H1

<400> 36459

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 aaaaggggtt gtattatccc attgcaaaga ctctagcaga gaaagcgggt tgggactttg 120
 cgaaggagac aggttttgat gttgtcatga taaaccttg tacagcattg ggccctctgc 180
 ttctccaag aatcaattca agcatggctg tgcttgtag tgttctcaa gggggcaaag 240
 aga 243

<210> 36460
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888401H1

<400> 36460

ggagaactcg actgaagctg cctctgcgac gccgtttcga ttcagcctca gacatttcog 60
 ttgcagtcac ggtgcaagaa aatggcaaga ggaagaaacc 100

<210> 36461
 <211> 250

<212> DNA
<213> Glycine max

<223> Clone ID: 700888402H1

<400> 36461

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cctgctccac aggttggttaa tcgacctggt agtgggtctc aagcttcac tcaccccaaa 120
acatccagcg cgattagttc attggattct ggagaaattg atgcagcttc agattccgat 180
aaattgaagg gtgcattggt tgggaaggga aggggagctc cacagggtag tggaaggggc 240
tcttttgttt 250

<210> 36462
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700888403H1

<400> 36462

gaaggtcttg ctgaggccat tgatgatggc aagattggac caagggatga cccaaggtt 60
cgttccaaga tcttgctga agagtccggt tgggacaagg atcttgccaa gaaaatctgg 120
tgctttggcc ctgagaccct tggaccaaac atgggtggtg atatgtgcaa gggagtccag 180
tatttgaatg aaatcaagga ttctgtggtt gctggattcc agtgggcatc aaaagaaggt 240
gctttgg 247

<210> 36463
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700888404H1

<400> 36463

ctcgagccga ttcggctcga gtgcagctgc acgatttatg gaagactggt ttgagcgaaa 60
gggggtctgta agaatggata ggggttagatt tgaaaatgat ggagtcccc gaagaatttc 120
aaacataatt cccagtcttc atgataatta ccatgaatta ctggaacttg ctgcctcatt 180
ccgatctcct cttggttaa ac ctgcaaacca aacttcagga ttgctagacg tgt 233

<210> 36464
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888405H1

<400> 36464

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 tgttcattgtt gcaacaggag attacacaac ctttgtcgtg tctgatgatg gtgatgtgta 120
 ttcatttggc tgtggagaat ctgctagtct tgggcataat gctgctggaa atgatgagca 180
 gggcaacaga catgcaaattg tgtaagtcc agagcttgct acttcactga agcagatcaa 240
 tgaacgggt 249

<210> 36465
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888406H1

<400> 36465

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 tccatatctg tctcagctgt tcaggaaggg ggcaatgctc caactcctac atcttttctt 180
 caaatcattg acgagccttt ttctccctca ccagcactga aaggaaaagg tccaattaga 240
 gatctagaca 250

<210> 36466
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888409H1

<400> 36466

agttgacctt cttcattgat tactatttct ccctcagatt tcgcttcaat cttccatccc 60
 cggtccgttc aattctactt tcaaggttgt gtattacatg aatcgttggt tgaaagatgt 120

ttgactgtgg ttacaagtcg caatatgtgg gtgggcaatg tgaaaaattt gtgagggttg 180
 atgacttggg ttctagacta tcatcatctt ctgaagctgc agttaaaaca tgtggattta 240
 gtattgataa atta 254

<210> 36467
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888410H1
 <400> 36467

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 cctgggtatg cttaatgtat tgtagagcaa tacacgcaag caccgggttg tccgttgagg 180
 ctgacacctt gtgagcagtt ctgttttcgt taatcgcaac taccaacttg tccgcagggt 240
 tgtagtaac t 251

<210> 36468
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888411H1
 <400> 36468

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 tcatctaaat atctgactgc ctcttcagcc aaggcaaaag ggcttttctg gttttccctt 120
 gaaataaagg ccaagttgct acacgttgaa ttttactgaa actgtcattc ctgaagttca 180
 ttatgtaa atgaagtgtga gaactcagtg ccgtattgaa gaaatgttca aatttatgtg 240
 ttaaatgcta cc 252

<210> 36469
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888412H1

<400> 36469

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gatcagattc tgattccgac acagtaacag tatgagcgtc atcgacattc taacccgagt 120
cgattccatt tgcaagaagt acgacaaata cgacgtcgat aagcaccgag atgctaattg 180
ctctggcgac gatgcctttg ccagactcta cgctccgtc gacgccgaca tcgaggccct 240
acttcagaaa gcag 254

<210> 36470

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888413H1

<400> 36470

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tgtccgcctt gaccgagcag agcttcgtct tggccctcga ttttgcccta aagtactctc 120
agtcacaaca gacaccgtcg tcgtcgtcgt cgatcatcaat ggcaccgaag cagaccaagg 180
ctgagaagaa gatcgcttac gatgcgaact gtgcgaccta atggaggagt acggccagat 240
cctcgttgtg aa 252

<210> 36471

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700888414H1

<400> 36471

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catgtaacat ttttgttttg taatttgga ttatcttttc aatatcaaag taactgtata 120
agctataaag catgaattac attattgtct ggttcacttt tactgaacat ttgaatgaaa 180
tcacaaaag 189

<210> 36472

<211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700888415H1

<400> 36472

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 gaaggcaatg gtggccatgc ggggtgctgcc cttatgccta acagaaatga tgctgggtctg 120
 gctgcttctg aattagccct ggctgtagag aggcattgtgt gggattctgg aaaaattgac 180
 actgtgggaa ctgtgggtat cctggaactg catcctggag caatcaacag catccccagc 240
 aaatctcacc tagaa 255

<210> 36473
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888382H1

<400> 36473

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 gtggaaaata tgcaggatgt gccccagctg gaaagtctta aactgaacaa aattgatatg 120
 gtggaccatg aaaagtttgc caaatgtgaa aggaaatcag ctaagcataa ggatgaaaca 180
 gaggatttaa tgctagaaca agactgtggt gttgctgaac ctgaaactga aaacgaggat 240
 ga 242

<210> 36474
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888353H1

<400> 36474

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 gaagctttct ggctttatct tcatgtgtaa tagaattaca aaaccggagt gctactgtta 180
 ccgagttttc gggcttcctg ctgggagaaa ggatgttgtt gagaagatca atcctgggac 240

atac

244

<210> 36475
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888354H1

<400> 36475

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 gaggaggccg ccgcagcccc caagaaagac gacggaccca tccctgtcgt ttacaaactc 120
 gacttgcatt gcgagggatg cgtcaagaag atcaaacgca catgtcgcca cttccaaggt 180
 gtggaaaccg ttaaggcaga tctatcgtcg aacaaagtga ctgttaccgg caaattggat 240
 gccgag 246

<210> 36476
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888356H1

<400> 36476

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 tgtgtgcagg aaagaggcct tgggtgtggg agggaaacta gtgaggtata ggggttggtc 120
 aatgaccata ttttttgttg tgggggtggt gtgtttgagg attatgtgca aaatctcagg 180
 agaaaactat gcagggaaat ttttgttcat caaagccttg atggaaaggt ttagctggat 240
 tttaat 246

<210> 36477
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888357H1

<400> 36477

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 ttcctattcc agttttttaa cccataccta aaccatttcc aattgttaaa cctatccctt 180
 aagccaaagt cattttttta gccagagact ttcttcagaa aacctattcc taaacttcac 240
 ccaaattct 248

<210> 36478
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888358H1
 <400> 36478

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 tatgataagg tttttggttg atagctataa caagcctggt cctgcaatac ttgaaatccc 120
 ttctaaagac catccttatg atccagcaca tgattcagtt ctgtcacgag tgaagtatct 180
 cttcaatacc gaatcagttg catctgggag acgctgaatt caccgtttac agttgcagct 240
 ttttgg 246

<210> 36479
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888359H1
 <400> 36479

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 ttcgacaacc accttagccc aattatcacc agcttcagcc cctctcaaac cgccccaacc 180
 tgctcctacc ataccagctg eggctcctca acaaccattg gtccctcat tgccacagtc 240
 accaag 246

<210> 36480
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888360H1

<400> 36480

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 ggaaaaaccc gaacaagaga ggccgaagcc tactctctca caggaacagt ttctctcatg 120
 gaagcgccac aaggacgctg cagtatcagc cagaaaagcc gaagtatcca gtaagcgtgc 180
 agaagatatt gctgcaggaa ctgtccaaat gaatggccgg gagctatddd tacatgagcc 240
 atgg 244

<210> 36481

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888361H1

<400> 36481

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 ggacacggcc ttcaacctca tgtcggacgc cttggagtgg cccaccacaa tgtcgctcta 120
 cgacgaagac gacgccaag aggatgtcga gaacgcttac agtcggagat cgttgttctg 180
 gcggcggatg aagtactaca tctcctacgg tgctctttct gctaaccgaa ttccttgccc 240
 gcctc 245

<210> 36482

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888362H1

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 gtctggcttg atccaaatga agtcaatgaa atctccatgg ccaattctcg aaaaaacata 120
 aggaagttgg ttaaggatgg gtttattatc aggaagccga ctaagattca ctctcgctcc 180
 cgtgctcgtc gaatgaagga ggccaagaga aaggggcgtc actctgggta tggtaagcgt 240
 aagggtta 247

<210> 36483
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888363H1

<400> 36483

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 gcattgtatt ctcttgttgt tttctaccat gtgttttcta aagagctgga gccacataag 120
 cctcttgcca agtttttatg cataaagggg attgtctttt tctgcttttg gcaggggaatt 180
 gtgcttgatc tcctggcagc actaggaata atccgatccc gttattcctg gctagctgtg 240
 g 241

<210> 36484
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888364H1

<400> 36484

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 tgacaagtca tacaagaaat cacatcttgg aaatgaatgg aagaaacctt ttgctgggtc 180
 atcccatgcc aagggaattg tccttgaaaa gataggtatt gaggctaagc agcccaactc 240
 tgccattc 248

<210> 36485
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888365H1

<400> 36485

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gcggtgtcaa gggcatttgg tgacaaaagc ctgaagatac atttgagctc agaaccatat 180
gtaacttttg agatgataga agatgatgca gagcttctta tactagccag tgatggg 237

<210> 36486
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700888366H1

<400> 36486

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tgatagcggt gctgctgttc aagacacctt tgaggaagct cgtgataatg ggcttggatc 120
ggttgaagcg aggtcgtgga cccttgatgg tgaagaccgt tgcagggacc gttctcgtgg 180
tgttgttgtc gagtgtgtat agcatgttga agattcagaa gcgtgggac ccaagaggggtg 240
c 241

<210> 36487
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700888367H1

<400> 36487

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aggtggcaag gacaaacaca atgaagaaga gaaaggagtt ttctcacatc tggctcatgg 120
agtagctcaa gctgctcatg gttaccctcc aggggcatac cctccacctc ctggggcata 180
ccctccttac caagggtacc cacctgctca tggctaccct ccacaagggtg gctatcctcc 240
g 241

<210> 36488
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 700888368H1

<400> 36488

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 tgtttattga accgtgtcaa tggccgctac tatgaaggct ttagcttttg ttgctttgcg 120
 tgttaccatt aatgcaatag tgtgtgaaag tagagtggcg agacatgacc ttggattgga 180
 ccttgaggagg g 191

<210> 36489
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888369H1

<400> 36489

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 caaccaaacc aaatagctgg ccacaaagaa cttggtcaca aaagtctcct tcagagcgat 120
 gcactctatc agtatatact tgaaaccagt gtgtacccaa gagagcatga gagcttgaag 180
 gagctacgag agttgacgga aaaacaccct tggaacctga tggctacacc acctgacgaa 240
 ggac 244

<210> 36490
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888370H1

<400> 36490

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 actttctctt cacaaggcaa atctaacaag aaaaagtagt ctctgaagcc gatccagtgt 180
 cttgtgaatt tggaattggt agtgaattta gatctaataaa gccatagcaa tgtcttttat 240
 cggc 244

<210> 36491
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888371H1

<400> 36491

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 aacaagctca tgtggatggc ttgccttttc atttcatttg ccttcatttc tcttacatac 120
 gtgggtggtgg gatcacactc cagatggctt gcaatatatg ctactgtgat tggaagcttg 180
 ataatgctct ctacaattgg ctccatgtgc tatttgttaa ttttgcatag gatggaggag 240
 ac 242

<210> 36492

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700888372H1

<400> 36492

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 gatgcaccat gaatctctta cagaggcaca tcctggtgac aatgtgggat tcaatgttaa 120
 gaatgttget gttaaggact tgaagcgtgg ttatgttgcc tcaaactcaa aggatgaccc 180
 tgcaaaggag gctgctaact tcacagccca agtcatcatc atgaaccacc ctg 233

<210> 36493

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888373H1

<400> 36493

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 ggtggagcag atccacggtg aaattcgca caactttcga gccctcgcaa atggctttca 180
 gaagctggat aagattaaag atgccaatag acaaagtaat cagctggaag aactcacgga 240
 caaga 245

[illegible]

<400> 36494

<210>	36495
<211>	244
<212>	DNA
<213>	Glycine max

<400> 36495

<210>	36496
<211>	244
<212>	DNA
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<400> 36496

14680

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tgcc 244

<210> 36497
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700888378H1

<400> 36497

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aggaaacaca acgcacctct tcttcttctt ctttccttc aaatttcaac ttcttcatcc 120
aacttgcctt ccaaacagca caaactgc aatcacaccg tcttgcgttt ctactcatct 180
aaaagatcct catgggttgc tttggcttct gcaaaggaga tgatagtgtt acagttgctg 240
acagagg 247

<210> 36498
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700888379H1

<400> 36498

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ttgagttatc ggggtggaaga tgagaagata cataaattta gaccattaca gttgatactg 120
tatcacatta tcccttctta agaggtgaat tcgattaaaa acaaacatag gtgttattgt 180
actccaagtg taaaaatata ggtaataatc ttcattttct gatt 224

<210> 36499
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700888352H1

<400> 36499

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aaggatcttc ggagaaagct tcctgtcacc cgcacgttat ttccatggca taatactttg 120
 cagttcagct tgacaagaga catctcaaaa gaacttggca ttggaaagta aatacactac 180
 attcacacag aacaaataaa agtttgtgtt tactcggtgg tgacaagttc ctcatatatt 240
 cactaca 247

<210> 36500
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888323H1
 <400> 36500

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 agtcacttta caagcttttg gtttttatca cagaaactag ttccatcatt ttatacatca 120
 gggatgttga gaagctcggt ctccaatcac caagggtata taatttacta caaaaaatga 180
 taaagaaact atcaggttca gtgttgatcc ttgggtccca gatattagat tcagaagatg 240
 attgcaaaga 250

<210> 36501
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888325H1
 <400> 36501

cggctcgagc aacactgtgt tcctgttttt gttcttcgat ggcggcaacc tcaacatcac 60
 tggtttctca actctacatt ggcctgogcc gccctgcct caagctcgat tctttcaatt 120
 ctcaatcttt ctctctcttc gaccctaate ttgcctatc cctctctcca cccaaacctt 180
 cacgcgccgt catcgccatg gccggcaccg ggaagttctt tgttggtggc aactggaagt 240
 gtaa 244

<210> 36502
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888327H1

<400> 36502

caaacacaga gaaagagagt gaataaatcc agcattgttc tgttctctgc aacattctcc 60
actctcaacc atggcttcaa agcttttact catcactgtc ttcgtttttg atttgattgc 120
ttttggactt gccgtggctg ctgagcagag aagaagcacc gctagtgttg tgacggacaa 180
tgaaaagaat tataattact gtgtctataa ctctgatata gcaactggct atgggtgttg 240
agcatttt 248

<210> 36503

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888329H1

<400> 36503

cctctcttca ttccaattca ttttggcacc acattaactc taaacacacc atgcccaacc 60
tcaatgatgt cctcacattc tcattcttcc ttctctctc ttgctattgc cacctctca 120
atggccaaga ggactcctca tttggccatg ccatcgacag aaaattgcta ggccctaaaga 180
gaaaagaaaa actcagccac ttcaagttct attggcatga catagtgagt ggtcgcaacc 240
cctcgtcggt gg 252

<210> 36504

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700888330H1

<400> 36504

cacaggctct agtccaagta ctccaaggcc aaatttcttg tactcttcag ctagtgggtg 60
aaaccatagt cataatcatc atcagcatca tagccatcac cgccaccatc agtttccact 120
caacatctta ggccgtcaat cgggtggatc agatcattgc tttcagtctg atcaagtgtc 180
accacacat tctgtgaaat ccgaagccag cacttctcag cttc 224

<210> 36505
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888331H1

<400> 36505

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 tgctccgatg attattaggc actctctgtt ttcgagccga aagcaacagc agcagcagca 120
 gagttataag gttccacagc gtcacatcaagt gttcgtgggt gaagccaagg gcaaaaaggg 180
 aatgatgtct cgtcaatttc agcgcgaatgc tctcctcct ttaccaaga ttgaagacga 240
 tggcaatccc a 251

<210> 36506
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888333H1

<400> 36506

gccatttttg aaacaggaat aaaagtagta gatcttttag ctccttatcg tcgtggagga 60
 aaaataggac ttttcggtgg agctggagtg ggtaaaacgg tactgattat ggaattgatc 120
 aataacattg ccaaagctca tggaggtgta tctgtatttg gcggagtagg tgaacgtact 180
 cgtgagggaa atgatcttta tatggaaatg aaagaatctg gagtaattaa tgaacaaaat 240
 attgcag 247

<210> 36507
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888334H1

<400> 36507

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 tgcaaccttt tgctatcggc ggatctgggt ccagttactt gtatggtttc ttgaccaag 120
 cctggaaaaga gggaatgacc aaggatgaag ccgaggattt agtaaaaaag gcagtttcac 180

tggctattgc tcgtgatggg gcaagtgggt ggggtggcg aacagtcata ataaactcag 240
 agggagt 247

<210> 36508
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888335H1
 <400> 36508

ctcgttgata gacgagatgc tggttattac aaatgtgctc cctcactaca tgtaaaagtt 60
 ggggtctgag tgcagttag ctattgcaac attgcaggtt caacgtcaca aaaccacta 120
 atgctaaatt gtcgcgattc ttgtgaatac attatcatga atgcttctgg gtcacctatc 180
 caccattatg catctttttt tccactcacg tctctccagt ctccactatg ag 232

<210> 36509
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888336H1
 <400> 36509

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 catctctctc tctttctatc tatctatgga gcttggagac actaccacag tgatggaaac 120
 gtcgtccggt gaggctgtgg cggcgcatgc cgggtggcgag gtgattatga tggatgcgaa 180
 ttccggtgaa gaagagaata ataatacataa taataaagga aaattagaag aggggtgggtgg 240
 agaagaa 247

<210> 36510
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888337H1
 <400> 36510

acaaatccta ccatttgtag tcctttccaa aagcctcaga gccttcattc accaaaaacta 60

aatcatgatg aaaaagcaat ctctcttgtc ctctcacta gcattgctag ttccattttt 120
gtatttcacc accacttttag cccaattatc accagcttct gcccttttca aaccacccca 180
acctaccctt atagcaccag ctgcagcccc aaaaccattg gttccctcat tgccacagtc 240
accaagtg 248

<210> 36511
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700888338H1

<400> 36511

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tccacccaaa cccattttcc cgaggaaattg ccttggaataa gaaagagcga agaggaaaat 120
gcagaatcac aggctgaagc agcagcagca gcagcaacaa caagctctta tgcagcaagc 180
tcttttccaa caacagttgc tctaccaccc tggcctcctt gctcctcctc agattgaacc 240
atatccaagt gg 252

<210> 36512
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888339H1

<400> 36512

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gaaagcctgt atagtataac tttcgcagtt aaatttgaat tccatccagc cttaaaatct 120
cacctacagt agattttcca ttgtagggtga tctgtataca ctgttttgta ttttacaat 180
cgntgcattt ctcgctatgc ttacaaaatc gtgcatttac ttgtctaaaa aaaaaaaga 240
aaaaaataaa a 251

<210> 36513
<211> 248
<212> DNA

<213> Glycine max
 <223> Clone ID: 700888340H1
 <400> 36513

ccaagatcca ggacaaggaa ggtatccctc ctgaccagca ggttgatttt tgctggtaag 60
 cagctggaag atggtcgcac tcttgctgat tataacatac aaaaggaatc aacacttcac 120
 ttggtcttga ggctaagggg aggtaacatg attaaagtga agactttaac tgggaaagaa 180
 attgaaattg acattgaacc aactgatata atcgaccgga tcaaggaacg tgtagaagaa 240
 aaagaggg 248

<210> 36514
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888341H1
 <400> 36514

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 tcaatacaac tcagtcaggg aaacagatgg gcagctacta ttggcacgga cgggacgata 120
 ggacaatgcg tgaagtaa at cctaagacac tgtcctctgg tttggatgat tatccacgag 180
 cttcacaccc aagtgaagat gaacgccact tggatcttag atgttgatg ttacttgcag 240
 cagactgtat 250

<210> 36515
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888342H1
 <400> 36515

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 cctggaacta accctgtttg ccatttcctt ggaagcaagg ccattttatg ggtacccaat 120
 ttatctgtgg aactgccta tcagaccaac attgttgctt aattagtcca tgcatttga 180
 gcaccatgag aatgagattg tgtataaaat aaattatcat gtgctgtgtg ttgtgcaagt 240

acta

244

<210> 36516
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888343H1

<400> 36516

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 cgtcttgtga tttccatgga ggggtgctggg atggaagaga ataattatt taatgatgat 120
 gataataata acaagtctga ggcgcatttg acttctgccc ctgcttttgt ggagggtgga 180
 attcaggacg cttgtgatga tgcttgacgt atatgccttg aagctttctg tgatagtgat 240
 ccttcc 246

<210> 36517
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888344H1

<400> 36517

gaaccactat gttcaagagt ttaagagaaa gaacaagaag gacataagt ggaacccag 60
 agcacttaga aggttgagga ctgcttgtga gagggccaag agaacattgt catccactgc 120
 ccagaccacc attgaaattg attctcteta tgagggaatt gatttctact cactgtttac 180
 tcgtgccaga ttcgaggaac tgaacatgga tctctttagg aagtgtatgg agccggtgga 240
 gaaatgttt 249

<210> 36518
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888345H1

<400> 36518

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ttggccaagt caaccaatga agtattgttg gtcattgagg cttacaaagc attgcgtgac 120
 agagcaccct accctgctaa tcacgttggt ggccatctca gtgggagctt tgctttcata 180
 gtttttgaca aatctacttc taccctcttt gtggcctctg atcaatatgg taaggtacct 240
 ctata 245

<210> 36519
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888346H1
 <400> 36519

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 gcagcaagtt ccgatgcttt tggttgagag acaagcactg aacgaggcta tggagggaga 180
 gaagaatggt catcatcact tacctgaaac cagaggactt tgcttgtccg aagagcaaac 240
 tgttccca 248

<210> 36520
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888347H1
 <400> 36520

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 aaaggactat gttaccggtt ttcccaaaga atccgacatg aatattgtcg aaagtaccat 120
 aacattgaag cttccacaag gttccaatga agtcttgctc aaaaatttgt acttgtcttg 180
 tgatccgtat atgaggaatc tcatgaacaa gcccgaggc cctcccaata gtcgtgctta 240
 cactcctggc t 251

<210> 36521
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888348H1

<400> 36521

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 ttatcatagg cagcatggaa tcgaaatagc cattgcgaga atcttcaaca catatggacc 120
 acgcatgaat attgatgatg ggcgtgttgt cagtaacttc attgctcaag caattcgtgg 180
 tgaacccttg actgtccaag ttccaggaac tcaaactcgc agtttctgct atgtctctga 240
 catggttgat g 251

<210> 36522

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700888349H1

<400> 36522

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 ggcggggcgg cgccgcggag ggactgtgaa gggtagtgt tcctcaatgc agtcaaacgg 120
 gaaggcgaag atgtgggagg aagagcaaca gcagcagcag cagcaacaac agcaacaaca 180
 acaacagggg atggacgagt tgctggcggc gttggggtac aagggtcgtg cttccgacat 240
 gg 242

<210> 36523

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888350H1

<400> 36523

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 cgctatgtgg tttcatcaga gccaggtggg ggggaagggt cttcctaccg aatccgatga 120
 gcattcctaag atctaccgca tgaaactctg ggcaactaac gaggtccgtg ccaaattcaa 180
 gttctggtat tttttgagaa aattgaagaa ggttaagaaa agcaatgggc aagtgctagc 240
 cataaat 247

<210> 36524
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700888351H1

<400> 36524

attcattctc atctttctct cttctctctc caccctaaacc ctaactcccg accctgttcc 60
cctctcgtat ccgtcatgaa aggaggaaag tccaagaccg aatctaagag agccgatccc 120
aaacttgctg tgaataagaa gggagccgcc accaaggcta ggaaaccgcg cggcaagggg 180
aaggcagcga aagaccctaa caagccaaag aggcctccaa gtgctttctt cgttttcatg 240
gaggag 246

<210> 36525
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700888322H1

<400> 36525

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tctttccggc aactagggtta aagttcatca atggcaggtc gtggcaaaac ctaggatcc 120
agcgccgcca agaaggccac ctcaaggagc agcaaagccg gcctccaatt ccccgtcggc 180
cgtatcgccc gtttctctaa ggccggaaaa tacgccgagc gcgtcggcgc cgggtgctccc 240
gtttacctcg 250

<210> 36526
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700888292H1

<400> 36526

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gtggttctca ggtgaggcaa tactgtgaca tactgacaaa agaggattgt cgacgtcaat 120

ctggtccttt atagcatgtg aaaaggttca ttttagacgg atcattgcac ctcatactga 180
 catcaattta ggagattggt cttttcttga tacctgccga cacatgaaga catgcaagta 240
 tgtgc 245

<210> 36527
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888293H1

<400> 36527

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 ttgccattct gatctccacc agattaataaa tgatcttggc atgtccaact atcccatggg 120
 cccagacatg aagtgggttg tgaggtactg gaggtgggat caaacgtag caggttcaga 180
 gtgggagagt tgggtgggagt tggactcctc gtaggttgct gcaaaaactg ccagccatgc 240
 caa 243

<210> 36528
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888294H1

<400> 36528

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 gtttctccag gcagataaac attgtattct ttcagtggaa agcagtcagc acacagtacc 120
 tgctgtggaa aacggggaac acgtgtagga aacattggac atattactcg aattttcaat 180
 aaacttggtc acttgggtcg taaccaaagc cacattctgg catgtctcca ggagaatagc 240
 gagtg 245

<210> 36529
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888295H1

<400> 36529

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gcctacaatc agttaacgga ggagactgga ctaccaacg gctaagggtgc tcaacttctc 120

aagggacagg tcaactccat tcccaaaatg gccctccaat tcggggaacg gtggccggac 180

ttgcccaaga acctggttcc gagattgtta agacccctt tgaggcctaa tgacc 235

<210> 36530

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888296H1

<400> 36530

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attatgagct ttcaggacat cgaggctggg cggcccttca gttcgaggcg cgggttgatg 120

aacgggagca agaccgacg caagcgggtg ctgccggaat attccagatc aacaccgccc 180

tctccacctt ccagagactc gtcaacaccc tcggaacccc caaagacacc ccgacctccg 240

cgaaa 245

<210> 36531

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888301H1

<400> 36531

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gacgatgtat ttggcttccg gcagcgcgga ggggaaccaa cgacggcagc agtgctgttg 120

ctggggaaga gaatgatgtt cgcagacgcc gcagtgttct ggggtgctgtg tgctatagac 180

ccaataactt tttttctcga atgccattgt tcctagtttc attgaacata agtgaggatt 240

ttgttggtg ataa 254

<210> 36532

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888302H1

<400> 36532

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 tttgctatgc tgactacctt caatgaagtt gatatgacta atttgatgaa gctccgttct 120
 gattataagg atgcttttgt tgaaaagcat ggagtc aaat tggggcttat gtctggcttt 180
 gtcaaagctg ctgtcaatgc actccaacat cagccgattg tcaatgcagt cattgatggc 240
 gatgatatta ta 252

<210> 36533

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700888303H1

<400> 36533

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 aaaaagctgt tggatctttt tcgcgaaagt gtcagagaaa accaaagtga tgatgctgag 120
 aacactttcg gcaacgaaaa gaaagaagtg aaaccaacaa tggtagatga tcttattcct 180
 aaatctgcac acagtactcc ttatgtctcg ggaggaaatt ctgcatgtag cagtgaaga 240
 acaatgaatg at 252

<210> 36534

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888304H1

<400> 36534

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 tcacctgttg ttcgtgttgc tgttcaatgt aaggttgcag cagatcttcc caagcttggt 120
 gaaggtctta agcggttggc caagtcagat cctatggttg tttgtaccat tgaggagtct 180
 ggtgaacaca ttgttgctgg tgcaggagag cttcatcttg agatctgttt gaaggacttg 240

c

241

<210> 36535
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888305H1

<400> 36535

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 tctgtgttgg atcttcaact tgaatggcac gttccttatg cctatccctt ccaaatactt 120
 ccggaacctt gtctgatttc aacaaactat actcttcctc tcattctcac catttaccaa 180
 aaccgaacct gcaatttaac tctagctggg gccagaggt gcggcccgtg acggcggccc 240
 atttgggta 249

<210> 36536
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888306H1

<400> 36536

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 actaagttct cagaaaggca accaattggg acagcagctc agggtgacaa ggactacaaa 120
 gaaccacccc cagcaccttt gtttgagcct ggtgagctaa agtcatggtc cttctacaga 180
 gctggaattg ctgagtttgt ggccactttc ttgttcctct acattaccat cttaactgtc 240
 atgggtgtca a 251

<210> 36537
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888307H1

<400> 36537

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gattggaatt caggatcaat ggcaggggca gcctctgctc tggttctctc cgacatcaaa 120
ggcgcgtcc tcatctggcg cgactaccgc ggcgacgtct ccgccctcga cgccgaacgc 180
ttcttcacca aactcatcga aaaacaggcc gatccgcaag ctcaagatcc gggtgtgcac 240
gacaacggcg tga 253

<210> 36538
<211> 258
<212> DNA
<213> Glycine max
<223> Clone ID: 700888308H1
<400> 36538

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cacaactctt aaaaaccctc ctcatcgatc caacacagca gcaacctcac tgaatctaca 120
aacagtaaca aagattatta ctogtagatc caataacagt aataaacct cagtttcttc 180
tcttaacaga tcatgaattc ctttcaagaa ttgactcat caaacacgga cagtaacagt 240
accaaagcca tcatcaac 258

<210> 36539
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700888310H1
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gttttctgta taccatggat gggttttctc aggggaagtt tgctggtaat acagggatga 180
acgcggtgct atcacctaga ccttctggag ctcaaccttc tgctatgaaa gaaacaccaa 240
gcaaattgtc ag 252

<210> 36540
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700888311H1

<400> 36540

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aaacagcaac aacttcaa at catcaaaaac tacatcaa at gtaggggtgca atattcaacc 180
aaaatcggag gaaatgaa at tgggtgttcga caagtttgac accaacaag atggcaagat 240
tacccttgaa gagt 254

<210> 36541

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888312H1

<400> 36541

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gcaacatcga ataagctgga aatatgtgtg gacctattca taatcatatt gccatgggat 120
cttgaagctg aactgatga tttgttgctt gctcttaacg cccaatacca ttgaatatcg 180
accaattgtt gcgaagaaga gatcctcagc ctcaacctct gaaattgaca agcttttaaa 240
gacagtgaag 250

<210> 36542

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700888313H1

<400> 36542

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cgacgacgaa ttcgggtctg cgcgcgatct ctactctgaa gccatacgat tggatccgaa 180
cgacgccaat ctcttcgagg acagagccca agcccatatc aaactcaacg ctttactga 240
agccgtttcc gatg 254

<210> 36543
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888314H1

<400> 36543

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 accaccacct gctcaacgag gagcaccact tctccgcctt caagacaaag ttcggcaaga 180
 cctacgccac gcaggaggag cacgaccacc gcttccgtat cttcaagaac aatttgctcc 240
 gcgccaagtc aca 253

<210> 36544
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888315H1

<400> 36544

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 cagaaggatc ctccaacatc ttgcagtgcc ggtcctgttc atgaagatat gtttcattgg 180
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 attcatttcc ctcc 254

<210> 36545
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888316H1

<400> 36545

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agcaggtggc aagtgatggg tagttgaaga cgattgttga caccttctca tcctcctctt 180
 aagaagaagc aaaagaagaa gaatagtctt tcttgtgcct gagtcaccta gttat 235

<210> 36546
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<223> Clone ID: 700888317H1

<400> 36546

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 ccttcttcat ggatcagaat atgttcttac atatgaggac agagagggcg attggatgct 180
 tgtgggtgat gttccctggg agatgtttat tgaaacatgc aagaggctga ggatcatgaa 240
 gagttctgat g 251

<210> 36547
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888318H1

<400> 36547

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 cacacaattg agcatgagga gtttttggaa gtcattaaat tggaaggaat agctcattct 180
 cctgaagaca caataatgcc cagagaaatg tttcttttgc aactctgcag tggaatggat 240
 gagaatgct 249

<210> 36548
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888319H1

<400> 36548

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 ctacttctac tgctgcagca acaactcaag tttcagggaa tgaagagctg ccaaagacaa 180
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 agaaacata 249

<210> 36549
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<223> Clone ID: 700888320H1

<400> 36549

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 aatgtgtagt tgctttcatc catttatctg tttaaaactt atttgatgct tttttattga 180
 attttaactt ttatgatttt tgttggtatg gatactaatt gttttgccc tgtgatatga 240
 acgttgctt 249

<210> 36550
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888321H1

<400> 36550

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 gcactagaga gagttttaat agttgaggaa gttcaaatg aaaattttga cttgaagaga 180
 cagattgaaa tctgccagga agagaacaaa atcttagaga aaacacatcg ccaaaagatt 240
 ttggaagtgt 250

<210> 36551
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 <212> DNA

<213> Glycine max

<223> Clone ID: 700888291H1

<400> 36551

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cgacacgatc tcgccagtga cggcgacgac ggtggagccg gcagcccgga agaacagaat 180
cacatcgaac agagtcatac cgaacagaat cacaccgaac agagtcacac cgagaaacac 240
cagcagc 247
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<210> 36552

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700888259H1

<400> 36552

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ggcttgggat ctgataacaa gtccctcatc ttcaacattc atccagttct tattgttatt 180
ggcttactag ttcattggggg tgaagctatt ataagttaca aagcttttcc cctaaagaag 240
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<210> 36553

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<212> DNA

<213> Glycine max

<223> Clone ID: 700888261H1

<400> 36553

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caacatcaag aacaaaaaac cctcgaccc ttcattctcc tcaattgtgc atgacagcct 180
cttgctttca ctgaggtaca gtcccttaat ttttgggaat tttcactttt agtcttcaat 240
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aattttt

247

<210> 36554
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 <223> Clone ID: 700888262H1

 <400> 36554

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 ttcttggaga agatgcttat cttttctagc gaatgttgta atagcagaat gcttgctaga 180
 agtattctct tttgtgtaac ttgggtttgt atgattgctt aaattagcta atacttgtag 240
 ctataat 247

<210> 36555
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888263H1

 <400> 36555

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 tcatcgctac cggctgaatc cggtgccggc cgatgggtgtt ggagtgggac agcaattttt 180
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<210> 36556
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888264H1

 <400> 36556

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tgtaatagcc caagctgagg aatctctgct tgttgagtca gtcattgagat ggaatcttgc 180
tcttgagtct ggcaattatt ggtgcactgt tgacgtctat aaccgtgaga atg 233

<210> 36557
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700888265H1

<400> 36557

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gattctgctt ggatgtaggg aacaatgact atcttccac ccttttcaag gctgattacc 180
ctccttatgg gagggacttt gttaaccacc aacctactgg gaggttttgc aatggcaaata 240
tagctactg 249

<210> 36558
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700888266H1

<400> 36558

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aactcagtct ctttcaaacc agttgctcag tagaaagtga aaggataagc aatgaaagta 180
gcattccatt gaatttcaga tatttttgct gggcttggtg gatagggaca tgtgatggga 240
gactgagg 248

<210> 36559
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700888267H1

<400> 36559

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 tattcaatct ttatccattc tcgaacgcgt ttgattttctc tgaggttgaa aagagctctt 180
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 tttca 245

<210> 36560
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888268H1

<400> 36560

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 cactttcgag aggtggcaaa gcacgaccag accaaggatt gctggctcat catttctggc 180
 aaggtgtatg atgtcacccc tttcatggag gatcatcccg gaggtgatga ggttttgtta 240
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<210> 36561
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888269H1

<400> 36561

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 tcgaggagat gggataatct acttgacgtg attccgggag gatcatctgt tcctctgatt 180
 ccaaagcatg tatgtgatga tatctttatg gattatgatg cattaagggc tgttgggaca 240
 gggttg 246

<210> 36562
 <211> 247
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888270H1

<400> 36562

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cagcaagaac cccgccgtga gcgtcgccat aatcgagcag tccgtgagcc ccggcgggcg 120
cgcggtggtcg gcggacaact cttctccgcc atggtgggttc gcaagccggc gcacctcttc 180
ctggacgagc tcggcggtggc gtacgacgag caagaggact acgttgtgat aaagcacgcg 240
gctttgt 247

<210> 36563

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700888271H1

<400> 36563

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tttttatgtt ttaatatgat gtattgagct cgtttcgcca aaagaattaa atatcaatat 180
cgtatcatag tt 192

<210> 36564

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888272H1

<400> 36564

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caggatcttt gatgtccgag ttgtaccttg ggagacagat ttgcaacgtg gtggcttacg 180
agggcccgga ccgggtcgag cggcacgaga ctttgactca gtggaggggg agattggact 240
cggccgg 247

<210> 36565
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<223> Clone ID: 700888273H1

<400> 36565

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 gaatacaata tgtggaagaa aatttggcca acaagagtga tttgcttctc aaatccaacc 180
 cagttcacaa gaaagttcca gtttttattc acaatgagaa gcccatagca gagtctcttg 240
 tgattggt 248

<210> 36566
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<223> Clone ID: 700888275H1

<400> 36566

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 tttata 246

<210> 36567
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888278H1

<400> 36567

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cttgtgtaca cttgccacct agagtctgca atggctaact gttttccttg tgaagacaaa 180
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 gtgtcaag 248

<210> 36568
 <211> 169
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888279H1
 <400> 36568

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<210> 36569
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888280H1
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 ttgc 244

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888282H1
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 tgcatagctg gcaaccaagg agaccgagtc aataacg 217

<210> 36571
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888283H1
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 cagggtc 247

<210> 36572
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888284H1
 <400> 36572

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaga 180
 agtaaataaa aaaaataaaa aagcaaagat aagaggggtg cactgtaagt gc 232

<210> 36573
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888285H1
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 tcagctccac ac 192

<210> 36574
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 <212> DNA
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 <223> Clone ID: 700888287H1
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 gtg 243

<210> 36575
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888288H1
 <400> 36575

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 tgtg 244

<210> 36576
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888289H1

<400> 36576

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gcctcatggc ctgtcggacc gagttcggcc cctcccagcc cttcaagggg gcccgcatca 180
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gcgcc 245

<210> 36577

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700888290H1

<400> 36577

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tgtgccgact catttggaat ttgtactcga agtggtcaga tcggaaaagt tgacttaagg 180
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<210> 36578

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700888258H1

<400> 36578

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tagtcaaacc atttccattc tcgaacgcgt catgatttct ctgaggetga aaagatctct 180
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<210> 36579

<211> 179

<212> DNA

<211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888228H1

<400> 36582

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 gacacaagtg gctgtggtac gatctatgcc tttgctcaat gtgttgaaac tctcacgcaa 180
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 acaaatgggc ggg 253

<210> 36583
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 <212> DNA
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<223> Clone ID: 700888230H1

<400> 36583

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 ttccagcact tggagatgct ggagttgatt gcgttggttg tctaaatagt aagcacaaca 180
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<210> 36584
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888232H1

<400> 36584

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 gcaaccatgt c 251

<210> 36589
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<400> 36589

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<400> 36590

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<212> DNA

<213> Glycine max

<223> Clone ID: 700888243H1

<400> 36592

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<223> Clone ID: 700888244H1

<400> 36593

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<400> 36594

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<223> Clone ID: 700888253H1

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 ggcaattgtg ctattctgat gatcacaggc tggattggat tcatttacac tgtgtggctg 180
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<210> 36600

<211> 241

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 <400> 36601

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 gcttacatcg atcaccgtgt ttccaaattc gataccttgg ccggtgtcgc tatcaagtac 240
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 <212> DNA
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 <223> Clone ID: 700888256H1

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<210> 36603
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 <223> Clone ID: 700888257H1

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<223> Clone ID: 700888223H1

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<210> 36605
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<210> 36606
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<212> DNA

<213> Glycine max

<223> Clone ID: 700888205H1

<400> 36613

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<212> DNA

<213> Glycine max

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gggacaggtc atcggcgctc acaccgttga tgagtggaag ctgcaactcc agaatgcaaa   120
agactccaaa aaactgattg tgggtggattt tactgcttcc tgggtgtgggc catgccgttt   180
tatggcccca gttcttgcag agattgcaaa gaacactcct gaattgatct tcctcaaagt   240
ggatgtgga                                     249

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<210> 36632

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888155H1

<400> 36632

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cgagcccacc gtcacgcacg aagtccgttc gtggcactta ccgtcaactc ttccacacag   60
cataccacac cacncgcaag gaagatgccg ccaacaactt tgccagaggc cacctctccg   120
gtggcaaaga gatcgtagat ctgtgcttgg atcgcgtccg aagtctcgca gacaactgca   180
ctgggtctcca gggcttctc gtcttcaacg ctgtcggcgg tggcaccggg tccgggtctcg   240
gatctctctt                                     250

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<210> 36633

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700888156H1

<400> 36633

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gtaaaggata gaagtggaga gattgttctt taccatctc catttaattt gggctctgaa   60
aagggttcca cttcagtgcg ccgttggagg gatggtagct tggagaatga ttacctatg   120
atgcagttga aagagttgtt caacgtcaat cactttatag ttagtcaggc caatcctcat   180
attgcaccat tattgagatt gaaagaattt gtacgagctt atggaggtaa ttttgcagca   240
aagctt                                     246

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<210> 36634
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888157H1

<400> 36634

gtccagtctc tttccaattc tgcatagaat acacataagt gagtattata aatttggggt 60

aacacttaat aggagcgtta aac 83

<210> 36635
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888158H1

<400> 36635

ctccacttat ctatgctgta atgggaactt ctagagagat agcaattgggt cctgtggcag 60

tggttttctct gctgttatca tcaatgatgg tgaaattagt agaccctgct actgatccag 120

tggtttatcac aaagctgatt ttgcctgcta ctctctttgc tggatatcttt cagacttcct 180

ttggactctt caggcttggg ttccttgtgg atttcctatc ccatgctgca atagtaggat 240

ttgtag 246

<210> 36636
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888159H1

<400> 36636

ctcgagccgt tactggaagc cttgttgtga gtaagagaaa aggtttcctg caccgagcac 60

accaacttga tacctctgat tctttt 85

<210> 36637
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888160H1

<400> 36637

tctgagacga agccttcgaa tctctctgag acttttctct tctctttgat tcttctctat 60
gcagttaaac attagaatga gccgttcaca ggatccacac ccttcccgat ctttcttccc 120
ttttggaaat ccttttcgga tgatagcacc taaaggctct cgcatgtctc cacaacttct 180
tgcaagtgtg cgagcttttg aggcaacatt ggcagagacg ctgcataatc ttatgcct 238

<210> 36638

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888162H1

<400> 36638

agattgtgga agtaatgacc cggatctgaa ggaggagatg gagaagcagt ttgtggacct 60
tctcagttag gagttgaagt tgcaagagtc tgttactgaa gcaaaccacc ggcatatgaa 120
cataactttg gctgaagcaa aaagagtggc ttctcagtac cagagagagg cagataaatg 180
cattgctgca actgaaacat gcgagcaggc aagagaacgt gctcaggcca tacttaccaa 240
ggagaaaaag a 251

<210> 36639

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700888163H1

<400> 36639

cttcgcaaaa tccaatctc aatcccgaaa accatttcac tgagccccta cccctccccc 60
tccctccaac aatgttccga cacccttaaa aaatcaaaac ctcaaaaacc aaaaaacatc 120
aaaccatgtt ttccttccct cacaatgtct tctaccat ccttgtcttt ccaatcatta 180
tttgttgctg ctccgcctcc ttgttgggtc ggagcaatgc gacgacaatc tacgaggctc 240
tgagcgagca cgggc 255

<210> 36640

<211> 228

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700888164H1

 <400> 36640

 gtgttctca atctgtaagt caatgcagtc gacccaaga ggctattcat ggtatcagct 60
 gtgggttacga ggataaaact gattggggaa gtgagatagg atggatttat ggttctgtca 120
 cagaagatat tcttaccgga ttttaagatgc atgcccgggg ttggcgggtct atatactgca 180
 tgcctaagcg cccagcgttt aaaggttctg ctcccatcga tctttcgg 228

 <210> 36641
 <211> 204
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888168H1

 <400> 36641

 cctaaactgg accccaccga tcttgcgcca ccacaacaac cacttgacac tgaatctcgc 60
 gctcccatth ccgaagatgc tgccactact atgcccatag actccaatcc ctatgtcact 120
 cctgctcccg tcaactgcttc ttctactaag actacttttag attcggtgaa cgacgttctc 180
 gggtaatggg ggaagaaagc cgcc 204

 <210> 36642
 <211> 82
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888169H1

 <400> 36642

 ctagccaaaa acgggggtgtg tcccatttgt gggaagaagg tgggattgga tctcgttgga 60
 catatgacta cgcaacatgg ga 82

 <210> 36643
 <211> 72
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

0022ED-ETTES60

<223> Clone ID: 700888170H1

<400> 36643

gctactgaag gacctgctcc tattgtatcc acacaacata cgagacggtc nttcagtagc 60

ctcgagccga at 72

<210> 36644

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888171H1

<400> 36644

gttagtttcc ttggaaggag ggtctgagag tgcttggtca ttttgccctcc atatccaggt 60

atggtttact actgtagatg tgtgcccctg gagaagttgt aatgaattcc ataagtagga 120

ccagctcact ggtaccttca cttccttttc attttgattg ctgcagatcc atatgatgac 180

aacttagttg atgcctgtgt taattatttc acccaacccc cataaaggaa atagaaatcg 240

tgtaa 245

<210> 36645

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700888172H1

<400> 36645

gtaaagatag cggcaagtgt tccaaaatga aattaaacca aacccatcat gttatggtgt 60

tattatacga tgcccgcata agcaagcttc aacacaaaag gaagaggcgc tgttgcttga 120

ttccgctagc ttttacgtat tttctcttac gtaacaaccg tgtataagtt accagtgtga 180

ttttcttaca gaactatctt ctgtaaagat ttcaatctgt caaggacttt caccttctat 240

aat 243

<210> 36646

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888173H1

<400> 36646

atacgacaca cacaataaaa agcttttagtt taggatgata caagtgaggt acaagcaagt 60
 ggttctaaga gattatgtca ccgattccc taaagaatcc gacatgaaca ttgttgaagg 120
 caccataata ttgaagggtc cagaagggtc caatgatgtc cttctaaaaa atctctactt 180
 gtcagtgtgat ccatacatgc gactcctcat ggccaaggac cgttctttcg gagatggctc 240
 cttca 245

<210> 36647

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700888174H1

<400> 36647

ttaaaagaga actggaaata cgaaacccta aaccatcat cgctcccaga aagttgtatc 60
 ggtttctctt cttaagtttt cttcaccatc tcaagattaa gctttttggg ttcattacag 120
 gaaaatgttg aaattcttgt cgagagtga aatcgagttc aacgcgttgg aaccgcgaac 180
 ggcgctgtgt atggagtatc tggcgcaatg caactcgcgg aaggcgtacg agtagcatgc 240
 ggcg 244

<210> 36648

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700888175H1

<400> 36648

ctacgggtgc gtaatgcgtg ggaatctgcc gaacagttcg ggccaaatcc tgaacaaagc 60
 tataaagcgc tgtttgat 78

<210> 36649

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888176H1

<400> 36649

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gattggggag acccttcatg tgggagggca caagaaggag gatgagcata agggtagagca 120
ccatgctgga gaatacaaag gggagcacca tgggtgaacac agtagtgagt acaaaggaga 180
gcatcatggt gaacacaaag ctggagagca ccatggtgag cacaagccag agcacaatga 240
g 241

<210> 36650

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700888177H1

<400> 36650

ggaagnngtg ttgagaagggt gtttttagacg tccacatttt tcagatttca ttcgcgttcc 60
tcttctctct actcatcatc aatggcgacc cccattcctc cccctcctgc cgccgcccgc 120
gccgcccgcg ccgacaccaa ggtcgattac ttgaaccttc catgtccgat tcccttcgaa 180
gagctccatc gcgaagtatg atgtctttga agccagatct ttttgagggc atgcgttttg 240
atttca 246

<210> 36651

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888178H1

<400> 36651

gtataaaaag acttcctttt ttgcaattgt catttgtcac caaacaattg ttgttagctc 60
tcacaagcaa gcttcagcaa cgacagtga gaaagtagtc ttacagttgg acttacatgg 120
tgatagaatc aagcaaaaag ctatgaaaac agcatctggc ctttcagggg ttgaatcagt 180
ttctgttgat atgaaagaca tgaaaatgat cgtgttgggg gacattgatc cagtgagtgc 240
agtgtcg 247

<210> 36652
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888179H1

<400> 36652

gtatggcaaa ggcacatcaa atagtgctag ggagcaattg ggggatcaga aacatttttc 60
 agtctcttgt ggccatctta accactattc tagttgtcgc tgccatttat ctaacacagg 120
 agggagaaca atggtctaata gaaaggaaca agttacattc attatcaaaa tgtaacttgt 180
 tttctggcaa gtgggttttt gataatgaat catatccaca caa 223

<210> 36653
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888180H1

<400> 36653

gtggcatcga tgcattccct ttcagacgct ctgatgatga tgcctcacc cagaactgga 60
 attggtcctg ggcagaaatg aagaa 85

<210> 36654
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888182H1

<400> 36654

gtgcttactt atactaattc gttttgcttg gcgccgtttt tattctctca acaaagacgc 60
 gacaacgggtt acgaggatct agaaacaaaa aagaccggat aacgagagcg gcggctggag 120
 gcaccgtgcy acgccgttat ctccgtcgag catcagcacc tgttttccat caaccgctga 180
 attctcgtct gcgttcacct tcaattctca attccgcttc tctgctcagc actcatttga 240
 ttttcg 246

<210> 36655
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888184H1

<400> 36655

gtcaattttt ctcaggataa gtcattggcgt gttcgttaca tgggtgctaa tcaactatat 60
 gagctatgtg aagctgttgg tcttgacccc accagatcag aattgggtccc tgcattatgtt 120
 cgtctgctgc gtgataatga ggctgaagta cgtattgctg ctgctgggaa agtaactaag 180
 ttttcccgca tattaaatcc cgatcttgcg attcagcata ttctaccatg tgtgaaggag 240
 ttatca 246

<210> 36656
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888153H1

<400> 36656

gttcgggtgta tctaggtgtg cttgaagatg gcactcaatt ggctgtaaaa aaattggaag 60
 gtgttggaaca aggtgcaaaa gagtttaaag cggaagtgtc catagttgga agtattcatc 120
 atgttcattt ggtaagcta tcagttattg ttcaagtga agagatcttc cctcatatga 180
 cagagttaac aagtttttgt tcaagtcacc tatgtaacaa ggatatactc tagctagagt 240
 agttgcaaat 250

<210> 36657
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888185H1

<400> 36657

gtcttacatc aaaactccaa cctgtgtcat tctcgtgtg acgccggcga attcggattt 60
 ggccaactcg gatgctcttc agatggctgg aattgccgat cctgatggga acagaacgcc 120
 tgggtgtcatc acgaagtggg ctatcatgga tagatgcact gatgcgcgga atctgttgct 180

aggaaaagtt attccctcc gacttggata tgtcgggtgtt gtgcatcgta gtcaagagga 240
tatt 244

<210> 36658
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700888186H1

<400> 36658

ttattctctg tctctctctc tctctctcga tcaatcatgg ctttgcccaa tcagcaaacc 60
gtcgattacc ctagtctcaa actcgtcatc gtcggtgacg gtggtacagg aaagacaacg 120
ttcgtgaaaa ggcattctac cgggtgaattt gagaagaaat acgaaccgac cattggagtg 180
gaggttcacc cattggattt cttcaciaac tgtggaaaga ttcgcttcta ctgttgggat 240
actgcc 246

<210> 36659
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700888187H1

<400> 36659

ctcaaagcta aggctaagcc gcaggaacct gaagtgactg tggcgagtga tgcatttacg 60
caattcaagc atctgcttct gcctattacg gataggaatc cctatctctc tgagggtaca 120
agacaagcta tagcaaccac ctctgcttta gctaaaaagt atggagctga cattactgtt 180
gtagttattg atgcacagca gaaagagtca ctgcctgagc atgagacca actatccagc 240
atc 243

<210> 36660
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700888188H1

<400> 36660

gttaattgca agaatggcac ttcgttgctt ggtgatgtcc ctttctgttc tcttcaactct 60
 tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgaagatcac cctatgcaaa ttgaagaaac acagtaccg aaaaccttct tctat 235

<210> 36661
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700888115H1

<400> 36661

tcnctcagc ggcacgttg tattgttctt acacatcttt ctctctctca ctttcggttt 60
 ctaaaccaaa accctaatacg agatcacaat cggatcgtaa acaaacagag accagccatg 120
 gacggtgatt cctcttggag tgctcgactc tcttccgctt ccaggcgcta ccaatccgct 180
 cttcaatctc gatcagacat gttcatgggt tttgatgaaa atgatgggga cgatgatata 240
 agaga 245

<210> 36662
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888117H1

<400> 36662

cgcgacgtgt tcgggctgca gaggatccgc gagtgcgagc tcattcacgg gaggtgggcc 60
 atgctcgcca ctctcggagc tctcactgtt gagtggctca ctggtgttac atggcaagac 120
 gccggaaagg tgaagctagt ggaaggttca tcatagttag ggcaaccact tccattctca 180
 atcaccacac tgatctggat cgaggttctc gaaatggggc tacatagagt tccag 235

<210> 36663
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888118H1

<400> 36663

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ttttcagctt tcattggtgt ggcctagctg ttttctcaat gagaaagcct tcattctctgc   60
aaagcgcaac gattgcgctt tgggggtccc ttgttgcttg ttatcacctt ctgttatgct  120
acttctactg ctgcagcaac aactcaagtt tcagggaatg aagagctgcc aaagacaaac  180
ctaaatgagc ttgatgaaga agcaaaattc ggattttttc atcataaacc aatattcaag  240
aaacatatcc caa                                     253

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<210> 36664

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700888119H1

<400> 36664

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ctaccatgac ctttctctcaa tcatttggtt gtggacttgt gcaagcaccc ttggtgacaa   60
gctctggtct tcttactaaa gtttgagtg ttatctcttc tcgtgatgaa gacatagttt  120
catactcagg aaataatgga ctgtccttga aagtttctga ggattcgggt ttgacggttg  180
ttgcgtttga ggtcaaccgc gattttgatc ttcaatctac agttgtttct ttctctgatc  240
ccaaggagaa                                     250

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<210> 36665

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700888120H1

<400> 36665

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ttaatttact atattcattt ttgaaaaacg atgttattat cttcattttc tatcatatgc   60
aactcaatc acaagtctgc atgcctttta tatagaaact aattctatca gttaacttac  120
attcccatgt taaatacaat attttcaagg tccaaatgaa ggaggtagaa aagagaaatt  180
ctctcataat catgaacacg gagcagtgat tagtgcatgc tccaagaatt agttagtagc  240
ctaaaattga tgt                                     253

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<210> 36666
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888121H1

<400> 36666

gtttatctca taaaacttct cttgattggc gatagtgggtg ttggaaagag ttgccttctt 60
 ctacgattct ctgatgggtc tttcacaact agtttcatca caaccatagg cattgatttt 120
 aagataagaa ccattgagca ggatggaaaa cgatcaagc tccaaatttg ggatactgca 180
 ggtcaggagc gggtccgaac aattacaact gcttactatc gtgggtgctat gggcatattg 240
 ctagtctat 249

<210> 36667
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888122H1

<400> 36667

ctttgagttg aaagctctaa cctctgctac aaatcactta tacttcgata actattatgc 60
 tgctgattcc tttgccaaat tcggtttatc catgaaaagg cagcctgtga aaatttttcg 120
 tgtttactct tctttttgcc aaccttatat ttcagaatac agataaatgt taaataaata 180
 agtacctcaa tataatattc atttcttact aaactgtaaa aaaaaaataa aaaaaaaga 240
 agtacaagct 250

<210> 36668
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888123H1

<400> 36668

gatcatctgc aaggacttgt tctccttctt tcccaacagc catgcgttca tttcttcccg 60
 cctcagccga gcacgttgat ctggcagtgg aggccaaaga cccgtctgag tccatctcca 120

ttctttatca ggtacttgat gatccttctt cttctccaga tgctctgcgc atgaaagagc 180
 aggccatcac aaacctcact gagcatctca gggaacagaa tagggcagag gatttgcaca 240
 g 241

<210> 36669
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888125H1

<400> 36669

gttctttctt tctttttttt attttggtgt tgttggtggt tccttgaagt agtaaatttc 60
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 ttatccctga actggtacat tatcaatg 148

<210> 36670
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888126H1

<400> 36670

gtagcatctt tctcataggg cttatcgctt ttgttttctg ggcactcttt gctcttcttt 60
 gtactcattg tactcacaat atgggaaacc aagagcatgg aattggcagg ccttgcaagt 120
 ttactttcag tcaataattg cttcgaagga ttttttatac ttcacttact gccttacatt 180
 tgttacatct catctttgcc ttaaatttgc tttgatccct atcttatggt ggtcctttga 240
 acatggtgcc 250

<210> 36671
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888127H1

<400> 36671

gagggtgggc cagaagaaga gacaactatg gttgagaacc gggaaaacaa caacagcgac 60

tcaagaagat cactcactct tcatttcatt tcagtaatgg ctacccaaac ccaaacacac 120
acacatccaa acaccac 137

<210> 36672
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700888128H1

<400> 36672

gtaatttttg tcattgatta attctgcaat tgagcagagg agccatggcc aaaatcgcac 60
ttggaagcac ccgagaggcc actcagccag actgcattca ggccctcatc gttgaattca 120
tagccacctt cctctttgtc ttgtttggcg ttggttcttc catggtcgtt gacaagcttg 180
gtggggatgc actagtggga ttgtttgctg tggccgtggc acatgcactt gtggtggctg 240
taatgatctc cgc 253

<210> 36673
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700888130H1

<400> 36673

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tcttgacca ccatgtctct accaccctg ccagatcccc atcacaacgc atcatggtta 120
gcaccaagcc taaccagctt gtttgcaagg caccaaagca agaggatatt gaatgtcagc 180
ccaatctctc gccggttagc tctaaccgtg ctcatgtgtg ctgctgctgt tggctccaaa 240
gtccagcctg ct 252

<210> 36674
<211> 102
<212> DNA
<213> Glycine max

<223> Clone ID: 700888131H1

<400> 36674

gtagctatct atttatctat agcaagtgcg tcaagagaca cgtggtaccc tagctagagt 60

gccattctgt ggcttctttc tttctttctt tctgcatcac at 102

<210> 36675
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: 700888132H1

<400> 36675

ggacttcggc tcgagccggt ttggtgtaca cagtctacgc cactgccgtt gaccccaaga 60

agggcaattt gggaattact ggtcccatcg ccattggggtt cattggtggc gctaacattt 120

tggtg 125

<210> 36676
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700888133H1

<400> 36676

ataactttga actgtgtggc agtgtgggaa ttcattatag cattttgttc gttcttgtgt 60

agaagttaa gtcatttgca atatcatag tcttgaaaaa ttg 104

<210> 36677
<211> 84
<212> DNA
<213> Glycine max

<223> Clone ID: 700888134H1

<400> 36677

ctattagtta agagagttga gtaacatcag aatggcagac ttgatgaaaa gaatcctcca 60

aatgattgag gctgaacaag caag 84

<210> 36678
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700888135H1

<400> 36678

cttcctcatt ctcaccgttc tctccagccc actgctgtgg cttgtacgtt tgattgtgct 60
gactgggtata tagagggggg ttcagcctct caacacaaca gcttggtgac cttttggact 120
actcaatttc tcattctgttg cttttcaaga agccctcagg cttttctcct ggaaaatata 180
tgagaggtta caagatatgt tagatgcctt tgctgataga atatcaaac cacatcttca 240
cctgccagat a 251

<210> 36679

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700888136H1

<400> 36679

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tcactcttga gaaagctcaa tattcattcg tcgatggcac tctcttctcg tctcttttcc 120
aaatccaaat tgatctatgg ctgtcaaata cttctgcaaa aggagcatgc tattccagtt 180
cgtcactttg ctacagagtc tgaccctcct gcccttaagg gagatcagat gctgaagcac 240
atttttgtgg a 251

<210> 36680

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700888139H1

<400> 36680

gtttttcctt tcgggattgg tttctatggc ttctgaagta atagagtacc gatgcttcgt 60
cgggtgggact gcttgggcca acgaca 86

<210> 36681

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700888142H1

<400> 36681

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 tggcgattac aatccccaag gtacttttat ggtggtgact ggaatcaaaa tgggagctgc 120
 ttgttcaaca agccccttga ggaggatgag cttgacttat ggtttgaacc caggaacaac 180
 ggagttaaca aggaagcgag agtggtgaat tttgtgattg aagaagcatt acaagctgca 240
 aacattc 247

<210> 36682

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700888143H1

<400> 36682

gtaagcagtg caatgttgcc aacaagcacc atgatcagga cccttgaatt ttcctcccct 60
 tgtctatgat cgaggaagaa aatctgtaat atattatgca aaaaataatt aaggtctttt 120
 cctttaaatg ggctggttca atgaaccgag accactgcag gtatcatgggg atgggaggat 180
 taagaggcta tgcttttttaa tcttccgatg ttactgttgt ttttttttta atttcaataa 240
 ggat 244

<210> 36683

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700888144H1

<400> 36683

gtcagatgaa ggcagcaggt acagtaatga caagaagcaa gattgcgac ttttaagtgg 60
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 atagggttgg atttgatcac tcttggacta tcatttgagt gaatcaaac tgaaccagaa 180
 tttagtcaac tcacacgtgt tgtctcttaa tctctgcgt gaaccgagg tcaatatttt 240
 t 241

<210> 36684
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888145H1

<400> 36684

ctctgatccc ttacacctac cactccatca cagagcgaca tgatgatgat gtagcagatg 60
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 tccacgccaa agccgtgcac caactcggca aggcctgtgc agagtggagt ttcttcatgc 180
 tcacaaatca tggaattccc gagagcctgg tggaggagtt gatgaaaaag tctcgcgagt 240
 ttcatgattt g 251

<210> 36685
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888146H1

<400> 36685

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 caacaattta tgaacgagct gggagaattg aggggcgtaa aggctctatt acacaaattc 120
 caattctaac catgcccacat gatgatatta cgcacccaac tcttgatcta acaggatata 180
 tcactgaggg gcagatatat atcgacaggt agctgtataa tggaccgata taccaccag 240
 tcaatggcct c 251

<210> 36686
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888114H1

<400> 36686

gtagattgaa gctgttggtc aaagcaagcc aaagcgccct gaatcatacc gatgaattga 60
 cgtttttcca tgggtggacac atatatgcat tagatgggag gctccgcat acccgtgcac 120

ttgagtgaaa attcatgttg aaaattattg gtgtggttga tgtgctttct tgggaattct 180
 attctatgtc atttcttctt tctggcactg attatgccta tctcattatg ggttcaaact 240
 ttccaaattg a 251

<210> 36687
 <211> 89
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888147H1
 <400> 36687

gaatttacia cccttggtat tttaggtgtg acagagactc acacacacag cacaagaaca 60
 gcggtttatc ttccggtcca tgtctatac 89

<210> 36688
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888149H1
 <400> 36688

gtaaatgcac aacaaaatgc aggagttgca ttgaacgaac ggatgttgca gaccactaat 60
 aggaatacac aaaccaata caatactacg atggacctga gaaatgtagc tgatgattct 120
 gcagtagaat cttcaagtgg taccaggaga gaaagggatg gaggcttagt tccagtatgg 180
 tctccaccag cttccagtta ctcagaacaa tttgt 215

<210> 36689
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700888150H1
 <400> 36689

tcatcacttt tgtctgcatt acacctgagc ctcagatctc atctcttate cacaaaacaa 60
 acgatacaaa ggtgaccatc atgaaactca aggttgatct tgagtgtgta atatgttaca 120
 agaaggctga gcgacttctc gacaagtatc ctcaaactcg agatcagaag cacgatgcga 180

aggattctcg tctgcgcaca acatcagtgc gcaattccgc ttctctgctc agcactcagt 240
tgattttc 248

<210> 36690
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700888151H1

<400> 36690

ctataacaaa aatgagtgac aaaaacaaca tggttatagc ctccaaaaca gccactggta 60
gttcttcac c atcttcaaga atgtccacaa aaacattctc gggactcgga aacctcgtca 120
agctccttcc caccggcact gtctttctgt tccagttcct catccctgtc gtaaccaata 180
gcggaactg caccactctt cacaagtacc tcaactggctc tttccttgtc gtatgcgcat 240
tcgact 246

<210> 36691
<211> 90
<212> DNA
<213> Glycine max

<223> Clone ID: 700888101H1

<400> 36691

ctctgctatt ctggagtgtt catggcaaat tggcgaggca gatgacgttg ttgatggcgt 60
tttgtgatta tattgggaac tgcacaaagg 90

<210> 36692
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700888102H1

<400> 36692

gtgattgcgg aaagcaaaaa catttggcgt ctgaggcgca ccaacggagg ccaactcgagg 60
ggttctcggg gtgcccttct gtgactgagt tgtaacaat tctgggtctc agtgaaaaat 120
ctctgctttc aaatgagggg acttcccaga ttgatgatga cctttcggat ttgcacgtgt 180

ggagtgtctcc ttctattaat ggtcttgaag atttgatcac taccacagct tcttctcaaa 240
aggtgtgtgt 250

<210> 36693
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700888103H1

<400> 36693

cttcctcatt ctcaccgttc tctccagcac actgctgtgg cttataagtt tgattgtgct 60
gtctggaata tggagggggg ttttgcctct caacacaaca gcttggtggc cttttggaat 120
actcattttc tcctctgttg cttttcaaga agccctcagg cttttctcct ggaaaatata 180
taagaggtta caagatatgt tagatgcctt tgctgataga atatcaaac cacatcttca 240
cctgacagat 250

<210> 36694
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700888104H1

<400> 36694

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atcttctctt ttcttttctt ctattttgca catgacaagc attatatcat ttctcatctc 120
tatttaaagt agtatatcac ataactcatt tttgtatctt ctctcttcct ttcttctatt 180
ttgcacatga caaactttat atcatttttc atctctatctt aaggtagtat atcacataac 240
tcataactc 249

<210> 36695
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700888105H1

<400> 36695

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 agatgaagaa agaagacaca gtgaagctga tcagttccga aggtttcgaa tttgtggtcg 120
 acaaagaacc tgcaatagtt tcacagacca tacataacat gcttacttct ccagggagtt 180
 tcgctgagag gcagcacggc gaagttacct ttcctgagat cagcaccacc attctcgaga 240
 agatttgcc 249

<210> 36696
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888106H1

<400> 36696

tgcaaccatt taaaggtaat gatccagcgg atgacgaggt ggacattggt ggaaatgagc 60
 cccctgtgtc aagctatcct catgtggaga ttgaaaagga tacaacttat ggaatgaaca 120
 aaagcctaag cccaggcagc tcaaatagata cggactctga tagttcttct gatagtgaag 180
 ctgatgatgt taaagcaaga ccagcaaata cagcaaaggc accagaaaat ctgggttctg 240
 aagct 245

<210> 36697
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700888107H1

<400> 36697

ggacaattgg tcagcttatt gagtgtatca tggggaaggt ggcattccac atgggaaaac 60
 aaggagatgc aactcctttt acagatgtta ctgtggacaa tatcagtaaa gctctacaca 120
 aatgtgggta ccaaatacgt ggttttgaga ctatgtacaa tggcatatac gggaaacgct 180
 taagtgaat gattttccaa ggcctacat attaccagag actgaagcat atgggttgacg 240
 acgggatcca 250

<210> 36698
 <211> 248
 <212> DNA

<213> Glycine max

<223> Clone ID: 700888108H1

<400> 36698

tctctacact ctattcaacc cttcacattt tctctcttct ttattotaaa ttacttttcc 60
atggaggaaa gcaagaaacg agtccgggac gaggccagct actcaccga gtcccaaact 120
cagctgggtcg actctccga gtctgaaagt cagcgggtcg actcacctga gtctaagatt 180
cgctgagttg actcgtcga gtctcaactc gactcggtcc ttgactcga ggtgcgtcta 240
caagacga 248

<210> 36699

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700888109H1

<400> 36699

cctccttttag cagagtggat gagggggtga aagatctcga aattcagcag ccacctctg 60
aggatgattt tgatgatgac aatattggaa ccattgcctt cccaccttct cctgatgcta 120
tcccacaatt catagcatcc tcaagcacag ctgagtctgt tcgacatcca gatgccaatc 180
tttcaaaaga gatattgaat gccaatagtg tggttcagtc cctgaacca gcctc 235

<210> 36700

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700888110H1

<400> 36700

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cagggaaatt caatactcat gcaacaaatg gcaagagat tgaagtaatt gatttagaaa 120
atgatgattc cattcaagaa gagaagtcaa tcaacagtat ggatagaaag acagagacta 180
tgtttctctgg ccttgaaggt ttttccaacc atgctcaaaa tgcttgctga catgcatgat 240
gttca 245

<210> 36701
 <211> 216
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888111H1

 <400> 36701

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 gattgctgga atgattttca agaaaaggcc acaacccaag tcttgattgt tttggacaag 120
 catgagaacc gcgataactta tgtggtagct ttccgaggaa cggaaccctt tgatgcagat 180
 gcatggtgca ctgaccttga catctcatgg tacggg 216

<210> 36702
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888112H1

 <400> 36702

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 agtggagtcc tatttatgat gtggctgcta tactcacatc tatccagtca ttgctttgtg 120
 atcccaaccc aaattctcct gcaaactctg aagcagctcg aatgtttagt gagaacaagc 180
 gtgagtacaa tcgaagagtg agggaaattg tggagcagag ttggacagca gattaagttc 240
 atccttatat 250

<210> 36703
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700888113H1

 <400> 36703

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 aatctaagga gtcttgtttt ggttgataat ctcttcaatg gaagtgttcc tgacctccaa 120
 aggctaactt ctctagaaga gctcaacttg ggaggcaata aagtgggtgc tcaattccct 180

tcagtgggaa agaattctgt cactattatg ttgagaaata attcactgag atctcatatc 240
cctccacaac ttgt 254

<210> 36704
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700808472H1

<400> 36704

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tccgaacaac aacaatcaaa gtgtattttc ccattaataa ccattatctc tcttttctct 120
ctcttcttcc tctctctctt tgctctcag ctaaccctc tctccgccac acgcgtcttc 180
ccattctcta tctccaccgc cactcctccg gggncctggc cgttcgtcga gtccaagctt 240
tttctctctc c 251

<210> 36705
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700808473H1

<400> 36705

gcagtgttgg gagtacttct gatccgaaag aatgaggact ttgaaaacct taagaagcta 60
tttgatgaga ctacattata tgacaagcaa tggcaagcaa cttggcagga tgagattcaa 120
gcattccaaa atgagtagtg gattgcgttt gtagtctcct cctcatgtcc tatacagtgc 180
tgcgataatt gtatacaaca gcatgtatga tagac 215

<210> 36706
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 700808474H1

<400> 36706

gcagcaattc agtcttacta catgtgctcc tcaaaagaac aatgtatgaa atacctatgc 60

tatgctatat gctatgatac ctttattaca tgc

93

<210> 36707
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700808475H1

<400> 36707

cggtctgagc ggctcgagcg gctcgagact caattgcttt acaatgtgtt gcaccccacc 60
atccgccatt gcttagagtt agaagcctct tatccactaa ccacttatga cccatttgag 120
tactgattgc caggtagaaa ggagggtaga aaaagaagat aaattgggga tggaagtggg 180
ggaaaagagg gtaggggtta gagggagtgt ggttcagca gggtcagtgt gggacagcag 240
gatgaagagt gatgaag 257

<210> 36708
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700808476H1

<400> 36708

aattggcggtt ggcttaggag ccagcgagag agagagagag agagacagat ttaccgggtga 60
ccggtcgggtg ttgttgattg aattcacctg acgttcaacg catctctgtc aatgtctcca 120
gtttggagaa tcattccgta tattcgggtga attataagat agagtggaag cacaggcttc 180
tttcttcctt ttgtggcgg tggcggtggc gatggcgga ggggaagagc ttcggcctga 240
cttgctg 247

<210> 36709
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700808477H1

<400> 36709

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ttgcttgatt ttggagatgt ctctgctctc agatctcatc aaccttaacc tctccgatac 120
 caccgagaag gtgatcgag agtacatatg gatcggtgga tcaggaatgg acctgaggag 180
 caaagcaagg actctcccag gaccagttag cgacccttca gagcttccca agtggaacta 240
 tgatgggtcc agcacaggt 259

<210> 36710
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808478H1

<400> 36710

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 aggacctgat catgtcgggg aagaggcccc ggccaatgat cggaaagttg tcggagttgt 120
 tggctctgag aggccgcacg gtggcacttt tggacaccac tggaagccca agaggcccat 180
 tagacatgaa gatgatgcaa tcaccaagag gcttaaaaaa ttatgatctt ggtggcggtg 240
 gtcttggaat tgtggtggct ctt 263

<210> 36711
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808479H1

<400> 36711

gaaaaaaaaa atattttcat ttcattttcg agtaaaagta aaacacagtt cctgatcaat 60
 ggcatctcgc cgccgcatgt tattgaaggt cataatctc ggagacagcg gggttggtaa 120
 aacatcactg atgaatcagt atgtgaatcg taaatttagt aatcagtata aggcaaccat 180
 cggtgcagat tttcttacca aggaagttca atttgaagat aggttggtca cattgcagat 240
 ttgggatact gctggtaag aa 262

<210> 36712
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808480H1

<400> 36712

ggttttacaat gttccgttaa cgacggagga actcaaggac taccacgatc gtccggcgcc 60
 ggtgagcggc ggcggacagc agaaggggaac gccggcgccg gcgccggttg tgagcggcgg 120
 ggtctccaag agtaccactg gaaacacgtg gtgcgttgca aacccgatg cggataaggt 180
 taagctgcag gcggctctag atttcgctt 209

<210> 36713

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700808481H1

<400> 36713

atctatatca ttgatactgt gactggtcgc atattgcac gcacgacaca ccattggttgc 60
 cagggctcctg ttcattgctgt atttagtgaa aactgggttg tctaccacta ttttaattctc 120
 agagcacaca gatattgagat gtcagttggt gaggtctatg atcagttctg agcggataac 180
 aaagattgtt ggaagtttgt tcttgggaag cataattcta catcaccocat ctcttcttat 240
 tatcgagcag aagttggtt 258

<210> 36714

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700808483H1

<400> 36714

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 aagacaggca tctcttgact ggcctccata ctgttgctga tgtttattgt ggcgattgcc 120
 gtgaagtgtt gggttggaag tatgaaagag cttatgaagc atcccagaag tacaaggaag 180
 gaaagttcat acttgaaaag tcaaaaattg ttaaggagaa ctggtagcat tcctttctgc 240
 tccccattct attcatt 257

<210> 36715
 <211> 94
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808484H1

<400> 36715

agtttgcttt aggactgtcg gacgggtggag ttcattgtttt tgaaccctt gaattctgaag 60
 gcaagtgagg gtgtgcctcc ctccggattg gaga 94

<210> 36716
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808485H1

<400> 36716

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 cctaaggctt tcttcgacat gaccatcggc ggtcaatctg ctggccgcat cgtgatggag 120
 ctctacgccg acgtcactcc ccgcaccgcc gagaacttcc gcgcgctttg caccggcgac 180
 cagggcgtag ggcggagcgg caagcccctc cactacaagg gctcgtcctt ccaccgcgtg 240
 atcccagatt tcatgt 256

<210> 36717
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808487H1

<400> 36717

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 agtggtcgcg agtacaaggc caaggacctt tcccaggccg acttcggccg cctcgagatc 120
 gagctggccg aggttgagat gcccggcctc atggcctgtc ggaccgagtt cggccccctc 180
 cagcccttca agggggcccg catcaccggc tcctccaca tgaccatcca gaccgccgtt 240
 ctcatgaga c 251

<210> 36718
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700808489H1

<400> 36718

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 cagagttccc aaaagtgtaa atcaggaggg gatgaatatg atgaagatga acctgatgcc 120
 aaaagatgga aaattcgaag ggtgaaaatt gcagggtatc gtacagcacc ctggacangg 180
 tagaacaag tgagagcaac cttagnnagt tcgtaagtcc aaagacaac 229

<210> 36719
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808490H1

<400> 36719

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 acttgcgatt ttgtacatgc tttagtagtg attacagttt aaaagttgta tcagaacagg 120
 taggctctct attctgtaaa ttgtgctagg ttttataatt tataatatag agttttaatg 180
 ccttttaact atcc 194

<210> 36720
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808492H1

<400> 36720

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 tggagactca tgttgggtgt tctttcaatt ccctctctca tttattttgc actcacgcta 120
 ttcttcttgc ctgaatctcc aagatggctt gtcaaaggcc ggatgctaga ggccaagaag 180
 gttttgcaac gacttcgcgg cagacaagat gtcgctggtg agatggcttt actagttgag 240

ggtcttggag ttgggcgt

258

<210> 36721
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700808493H1

<400> 36721

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gcttgatttt ggagatgtct ctgctctcag atctcatcaa ccttaacctc tccgatacca 120
ccgagaaggt gatcgagag tacatatgga tcggtggatc aggaatggac ctgaggagca 180
aagcaaggac tctcccagga ccagttagcg acccttcaga gcttcccaag tggaactatg 240
atggttccag cacagggtcaa 260

<210> 36722
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700808494H1

<400> 36722

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ttgggagtg cgggtcgaa agtgggtcca aatttgggag tggaaagaaa gggtttgggtg 120
ggaaggcagg gaaggatcat gatggtgaag ttaaggagat gtgggacaca attgctgggg 180
gagattctga ggatgatcaa gaggggtctca ggaatgtgga tgatgacaac tttattgatg 240
aactggagt ggaacctgct t 261

<210> 36723
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700808496H1

<400> 36723

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gtacttgtca tggcctttaa gatcaacact ttccttctag ttcttctctt gatcctcatt 120
 cccttatctt caggcttggc tgaaggcttc ggggaaaaca tgcacccaac tcatggctta 180
 ctttataagg atggtatcaa gatgaactcg aggaagcttt tggttcatga ttttgtgttg 240
 gattatgatg aggacgacc caacca 267

<210> 36724
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808470H1
 <400> 36724

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 gcattcactg gtcaaactgc tctgaagcag ctcaatgagt tcgtccgcaa gaccggtggc 120
 gccggcaaag gtcgcactaa catgcgccgc accgtcaaga gtgctcctca gagcatttgg 180
 tatggccctg accgtcccaa gtacttgggt ccattctcgg agcagattcc atcatacctg 240
 accggagaat tccctgg 257

<210> 36725
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808427H1
 <400> 36725

ctgtaataaa caccctcctc cactatgcct caaaatccaa cgacaccttt cacatgcccc 60
 actcagacct caaaaccatc tccgacatgc tccgaaagtg tccctcgcca tgcaacttcc 120
 tcgtcttcgg cctcaccac gagaccctcc tttggaaagc cctcaaccac aacggaagaa 180
 ccgtcttcat cgacgaaaac cgggtactacg ccgcgtatctt cgaagaaaaa cccccgaaa 240
 tcgatgctta cgacgtggca tac 263

<210> 36726
 <211> 265
 <212> DNA
 <213> Glycine max

tgctcatggt gacaatagta acaatactac tactactact actactacag aagttaggat 180
ggaagatatg aatcaagcat gtactgaaca gggggataat ggccttaaaa cacacaacaa 240
tggagaaatg tttggaaa 258

<210> 36732
<211> 260
<212> DNA
<213> Glycine max
<223> Clone ID: 700808438H1
<400> 36732

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ctcctaaaaa aaaaagagaa aactttgttt gattctttga aggagggttg aagaaagcaa 120
aagggttagt tttgttttaa gtttctttga aatggttttc atgtctgaga tattgttccc 180
cgaagaaaaa attgaggaag gagagtggga gaaggagaga taagaagaag agaagaatac 240
ctaccagca agcagaatta 260

<210> 36733
<211> 260
<212> DNA
<213> Glycine max
<223> Clone ID: 700808440H1
<400> 36733

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cacaatcatc atcatccaag aacttcaaca tcctccaat gaaaacaacg ccaaagaagc 120
agcaagggtt caagctctat gagaggagga acaacaacaa ccatctcaag aacaccctca 180
tgatcaacac cttgggtccc aattttgcac acagctcagg attctctccc tctcatcat 240
cacctgcaa caagccagag 260

<210> 36734
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 700808441H1

<400> 36734

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tagtgaatgg catatcgagc gaagatctag cttcggcact gaatccccct tagcaagaga 120
ggcaggaaat gtgcctgaaa ctgggtcact ctctattggt gtgcttggcg cttctgggga 180
tcttgctaag aagaagacat ttcctgcact tttccatcta taccggcagg gattcttacc 240
agcagatgaa gttcaca 257

<210> 36735

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700808444H1

<400> 36735

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ccttcttctt cttctccacc atcggttcttc agctgatgac gacgtctttt ggaccagcca 120
ccacctcagc gccgcttaag gaccacaaag ttcagatccc aagcttccat ggcttgaggt 180
cttctccgc ctctgctctc ccccgcaatg cctctccct tcttccatcc actcgctctc 240
tctccctcat acgtgctggt 260

<210> 36736

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700808445H1

<400> 36736

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ttcaaggcca acacaaagca gagaaagcaa aaaaaaaaaa gaggggggta gagagttatt 120
aagggtgaagg aagaggaaag gggttgtttg tgtgaaa. 157

<210> 36737

<211> 268

<212> DNA

<213> Glycine max

002220"EFFE560

<223> Clone ID: 700808448H1

<400> 36737

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agtcctctgt tactgaaaca cttccatccc aaaccaatgt ctgtttctct tttcggattt 120
cctaattcat aatgagtagt agaaagagaa cggggatgCG ggaaggttac gagtttatgc 180
caatacgaga tgttggtaga tctgttgGCC agaaagccaa gttgattggg gttattcttg 240
acttcggctt tccaaagaaa tccaaggg 268

<210> 36738

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700808450H1

<400> 36738

attcaaaagt ttttgaaatg ttgtcacccc ttcttctatt tctatgccta actcttcctt 60
tgtttttgtt gtcttcttta caaataccgt aaaaccttca agaatccacc acttcacca 120
ggctctagag gccttcccat aatagggaat cttcatcaac tagatagtcc ttctcttcat 180
gagcagctat ggcattcttc aaagaaatat ggctctttat tttcccttca atttggatta 240
aggccagcca tagttgtttc ctc 263

<210> 36739

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700808451H1

<400> 36739

tgggacattc atgggctgat ttggctgaca attaggcgac tgaaaatgtg ggaacgtcta 60
aatacaca 68

<210> 36740

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700808453H1

<400> 36740

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ccaagccgcc gaagaagggg cagccggaga acgcggttta tgatttcgag gacaagatta 120
acttcgcggt gttcccttcg ctgcaggggtg ggccccacaa ccaccagatc ggtgctctcg 180
ccgtggcgct gaagcaggcc gcgtcgcccg ggtttaaggc ctacgcgaac aggttaaggc 240
gaacgcgttg cgctt 255

<210> 36741

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700808454H1

<400> 36741

cttctccttt tgtactctca ttcacattct tataggctaa ttaacatata ctctcttcca 60
aagttgagta ctttgccaaa aaaaaaaaaa ggtttccctt tggggaagga aacccaagg 120
agggtttttg gaccatttgg agcgttggca tccctggttt cctccaattg ggggcccccc 180
caaaagtggg tcaaaagggg tccctttccc tccagggatg tcggggaagt tcateccccg 240
ggttcgggac cggtttt 257

<210> 36742

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700808457H1

<400> 36742

tgtgaatcgg gtgaatgatc tctggggaca acctcaattc aatggccttg acctggagtt 60
tgatcaacct cttagagagc ttggcttccc tgggtgtgcct cataaatctt cagtatttat 120
cgtacctact tctgcctgcc ttgttgaact gatagagact ctttctcttg ttgtcacgct 180
tagtgagatt gagattgtta atcttgagag agttggactt gggcagaaaa actttgatat 240
gacagtagta tttaag 256

<210> 36743
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808458H1

<400> 36743

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 gatgtccaag agtccttcca ttattgcaag tataggcgtg atgaaaacca actttacata 120
 tttgctgatg attgtgttcc aagggtggctt actgcatcat accacataga ttttgacacc 180
 atggcaggtg cagacaagtt tggaaatatac tattttgtgc gggttgccaca ggatgtttca 240
 gatgagatag 250

<210> 36744
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808459H1

<400> 36744

ggaaatctgt gatactcaga tatgcatttc ctataaagtg cactgaagtt attctagctg 60
 atgataatga gactattcct gagattcgag cagagtatga tccttcaaag aagaccaagc 120
 ctaaggggggt tctccattgg gttgctcaac cttctcctgg agttgatcca ttaaagggtgg 180
 aagtcagatt gtttgagagg ctgttccctat tagagaatcc cgctgaactt gacaactggc 240
 ttggcgattt aaaccca 257

<210> 36745
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808461H1

<400> 36745

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 ctacctaaat gggatatctca gattgggtgaa tctcaaccca gtattttctt cacagatagg 120

tcaggacagc attataaaga atgcctgtcc atggcagttg ataatcttcc tgttcttgat 180
 gggaagactc cagtccaagt gtaccagagt ttctgtgaga gtttcaagtc ttcattctct 240
 ccattcatgg gctctacaat 260

<210> 36746
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808462H1

<400> 36746

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 cattgcttct tcttccgtcg ctactgaatg ggtgaaggga aagcaaattg aggaagtgtt 120
 gaccattaaa aacactgaaa ttgcaaagca tctttcactt ccaccagtca agcttcactg 180
 cagcatgctt gctgaggatg ctataaaagc agctgttaaa gattatgaag ctaagcgtgc 240
 ctcagcatct gctgggtggac ag 262

<210> 36747
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808464H1

<400> 36747

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 cacggatgga gttcatctat cagcagaggg aagcaaggta gtggtgaagg aaatattaaa 120
 ggttctaaga gaagtagatt ggaaacctag tctgcatgg atgtcaatgc caactgaata 180
 tgcagaagat tcaccatatt atcctccaag tctgatgga acaacaacca taaatgtgtc 240
 tcatattatc tcccgaaggt gtttgca 267

<210> 36748
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700808467H1

<400> 36748

gtctggtgcc agtttctagt acatttccag tgactcacga acccacagtt gagtattgga 60
 caccaacatt tggaggaact tacagatagc tagcttcatt aattaattat aatgggtggc 120
 aaaaagtggc acggaaggag tactctcagc gaacancaca caagnncaac aacgaacatt 180
 tgcattg 186

<210> 36749

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700808468H1

<400> 36749

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 tttgcaagcc agcgtggtgg caatagtagc gactcgtcat tctgggcttg tggcatgggc 120
 cttaggttgg gacttcaggc tctatggccc tctctacacg ggaatagtta cctctggaat 180
 tacatattat gccaaggat tgatattgca aaccagaggc ccagtatttt taactgcctt 240
 caatcccctt tgcattg 257

<210> 36750

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700808426H1

<400> 36750

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 gttcgaccgc aacggcgacg ggagaataac gaagaaggag ctgaacgact cgctggagaa 120
 cctgggcatt ttcattctctg acaaggacct gagcctaatg atccagagga tcgacgtcaa 180
 cggcgacggt tgcgtggaca tggacgagtt tggggagctg tatcagacca taatggacga 240
 gcgcgacaat gaggagga 258

<210> 36751

<211> 248

<212> DNA
 <213> Glycine max

<223> Clone ID: 700808391H1

<400> 36751

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 gcaactacgc agagaatcct caagacgctg ataatctgac caggtggggg ggagctttga 180
 tcgagttgtc gtcattccaa gctcctaggg atgccaagcg atgattgatg atgccttcga 240
 agctggag 248

<210> 36752
 <211> 150
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808392H1

<400> 36752

gcgaggagct gaccgtggag gagecgtact cctctccgtc gcctacaaga tcgtgatcgg 60
 cgctcgccgc gcctcctggc gcatcatctc ctcaatcgag cagaaggagg agatccgggc 120
 aagaggacca cgtcgcgtca tccgcgacta 150

<210> 36753
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808393H1

<400> 36753

ggagtcgcga gtgctgtcac gcgcgggaac ttgttctccc tccctcacct ccgcaagctg 60
 ccgcgggagg tcggcgccgg cccctccctc gtcgccgtga aggccgtggg ctccgtggcg 120
 gaggggggaa cctgatttgg gggaggcaac tgcgccaga gctctgctcg ccggcgctga 180
 agaaggaggc cgtctctctc cggccatgcc tcgccgcgcc tcctcgccgg ccgagggagt 240
 gattccgccg g 251

<210> 36754
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808395H1

<400> 36754

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 gattcaggaa tttccattct ggacacacag aagaacagaa agaaactcct ttttaattttc 120
 aatttcaagt caagatcgat ctgacatcat agaaaatgac catggatgtc gttcagctgc 180
 agatgagctg cgcgaacaca agccgctatg tttcaacagg tttttggatg atcagtcgcc 240
 agttca 246

<210> 36755
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808396H1

<400> 36755

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 tcttcataa gcgcatgcct ccagaggctg ttgatttggc atcaagacta ctacaatact 120
 ccctacttgc ggtgcacagc tttagatgcc ttgacgcac ctttctttga cgaacttcgt 180
 gatccaaatt ctcgcttgcc aaatggcga ttccttcac cactatttaa tttcaaactg 240
 cataactgaa aggtgtcca 259

<210> 36756
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808402H1

<400> 36756

gagcgtgcca cgtgccccca ctgtcacgct ccagacc'aa ttttccgtcc aagttcattt 60
 tcccggaaaa tcttcttggga agattcccct gttttttcct tgcaattggg cactgtaaaa 120
 agggattttt ttttttttat tttcagtgtg gagcatctgg gaaaaaatgg cagcaccaac 180

gccgattcac aaaactgaag aggaatggaa ggtcattctc tcccccgagc agtttcggat 240
ccttcgccag aaaggaactg aattgaagg 269

<210> 36757
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700808403H1

<400> 36757

agattctgta gagaagaaga gcaatggcgt ccaacgattc cgattcgcag atgaagatcg 60
tacatggcga tgctggttac atacttgaag acgttctccta cttcgccgac tatattccaa 120
atcttcctac atatccgaat ccgcttcgat ccaatcctgc ttactcggtt gtttaagcagt 180
atttcgtgca catggacgac actgttctc agaaggttgt tgttcacaag gatagtccaa 240
gaggtgtaca ttttcgacgt gcaggg 266

<210> 36758
<211> 174
<212> DNA
<213> Glycine max

<223> Clone ID: 700808405H1

<400> 36758

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gatggggacg cttcttattt ccaagatcag agaggagtat cctgacagga tgatgcttac 120
tttctccgtt tttaccttcg cccaagtggg ctccgacact tggtgttacg agcc 174

<210> 36759
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700808407H1

<400> 36759

gagtccttg ggtatctcag gtttggtccta tttgtttggc atcttagcct tcacctctt 60
gctcgtttg ttgttgcat accgtgaagg aattgactat gattcagaca atggatttcg 120

cgtcttcaat gctcaccctt tattgatgta ctctgtcttc attttccttg ctggagaagt 180
 ggcttttttg tttcgttgtg ttcattgcttc aaggagcttc agctactaca agagctaaag 240
 tgctaccatg gcacaaagtt gg 262

<210> 36760
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808408H1
 <400> 36760

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 aggcgatgac gagcaggctc tgggtgcagcg taaatcgaat gcgagagttt tgacactaaa 120
 caggactaaa cagttgaatg cccctctctt ttatatggtt tctcggtac ttgaaatttt 180
 ttctgaagat gagaaagatt ctgatattaa attggttgct gtgaaggga atggaagggc 240
 tttttgtgct ggtggtgatg t 261

<210> 36761
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808410H1
 <400> 36761

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 cgacgcgcct ttcttctgtt ccacgcgctt cccctctccag atccgcgccg gttccggatc 120
 ctgcatttg ctccaatcgg gaaccgtttt acctatcaag attcataggg atgaagagag 180
 tgggaagatt ttgaatttgg tgtttgtttg ggctgaggat ggaatgaaat tgaagggtgga 240
 tgtgcctggt gttttcga 258

<210> 36762
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808411H1

<400> 36762

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 tccctccgcy tccctccgcc gaggccttct tctctgccgc cggcgggcgcc agccccggcc 120
 ccatgaccct cgtotccagc ttcttcggct cccatgccgc tgcgcactgc cgtctcttct 180
 cgcagctcct cgcgggcgct atggcctccc caatggcctt ctccgcccgc gcagcatccg 240
 ccgccgacaa ctccggcaag gacga 265

<210> 36763

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700808412H1

<400> 36763

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 tcaagccgaa tctctgtcaa atgcgctttt gggtttgagc cggtgagcta cggagtcggc 120
 tccagccgag ccgattggca gagctcctgc gccatcttag ccagcaaggt cgtttctcag 180
 gaacaaccct ccgctgacca gaacagcggc accaccgacc acatcgccgc cgtcaacggt 240
 cacaaagccg ccgtcagcga cttccaa 267

<210> 36764

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700808414H1

<400> 36764

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 gaacaacttg ggtacaattg ctagatctgg taccaaggaa ttcattggaag ccttggtctgc 120
 tgggtgctgat gttagtatga ttggacagtt tgggtgtggg ttctactctg catatcttgt 180
 tgctgagaag gtcattgtta caaccaaaca caatgatgat gaccagtatg tttgggaat 239

<210> 36765

<211> 270

<212> DNA
 <213> Glycine max

<223> Clone ID: 700808415H1

<400> 36765

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 tcttgattct gctatcatgg atactaatga atgccaaccc cttcatgctg atatacaaag 120
 attttatgaa agcctaaata tgaaactgga ccaacaaatt ccacttctat tggttgaaag 180
 acaagcactg aatgaagcaa gagaaggaga gaagaatggc cactatcaca tgccggaaac 240
 cagagggctc tgcctctcag aggagctcag 270

<210> 36766
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808416H1

<400> 36766

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 gttctggtcc ctcttcttct agtaaacctc atccatcatc atccatataa actcacactc 120
 ctaccaccac ctctatcaca atctctctgt tcatcaccaa gaacaaaaca aaaaagaaga 180
 agaaagaaat atggctggag gatcatacga ggaagccatt gcagcgttga cgaagcttct 240
 cagcgagaaa gccgacctgg gtggtgt 267

<210> 36767
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808417H1

<400> 36767

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 tccaagcttg gaaaaaatgt tgaggttggtg tccacggaag tagtggagga caaggaaacg 120
 ggattgcaga aatacacctg agcaccggga gtgaacaagt tatcagggga caaggctgtt 180
 gtgtgccaca agcagaacta cccttatgct gttttttact gtcacaaaac tgagaccaca 240

agagcttact ctgtgccttt ggaggggtg

268

<210> 36768
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700808418H1

<400> 36768

gccttcattg agtttacaga cgaagaaggt gcaagggctg ctttgaacct gtctggaacc 60
atgcttgatg attaccggtt gagagtgcta ccttcaaaaa ctgctattgc cctgtttaat 120
ccaacatttt tgcccagggtc tgaagatgaa agggagatgt gttcaagaac aatttattgc 180
acaaatattg acaagaagct tactcaagcc gatgtcaaac acttctttga atctatttgt 240
ggagagggtc aacggttgag gcttct 266

<210> 36769
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700808419H1

<400> 36769

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cctgaacaaa ctctgcaacc tgatgatgag tgcaatgtgg aaagccagtc aaatgatcaa 120
atatctgcat cgaccagcat ggaggatata tctcattcat cggaaaatgg aatttctgat 180
cttggggctg agaatactgc acctgctaaa gaagtttgga aagctccaaa ggccggagaa 240
agggcgcaaa aagaaatcat tga 263

<210> 36770
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700808421H1

<400> 36770

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gaactgtctt ggaaattgag gacgaagtga atgcataga ggcgcaacga acagagttgg 120
aggagaatag gatgttgag gatgatgaga aagggaaatc atagatggtg cttgaaatta 180
ttggctgaca aaaaacaagt ggttgcaaca tgcctgagaa tatacatgat gaaatgaggc 240
ctaatttatt gatgcgacac a 261

<210> 36771
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700808422H1

<400> 36771

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tccattgagt ttgattttgt ggatgaaaag catagatagg gcttttgcaa aactctccaa 120
tgtttcttga aattatatga ccatgcgtcg aattcgtatg ctgcactcct tctccgtcgt 180
gttctcttac tggttctacg ttttctcatg aactccctct taaatccgtg attaattaga 240
tctatctcct tagttaatc 259

<210> 36772
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700808423H1

<400> 36772

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cgaatcgtgc gatacgtatc gtgaatcgta cgatactaac taccgtgggc tgaaccattt 120
taatttggtg atcaaataac aaggctcttc ggtagaatt cctgatcggc catggctgat 180
tttcagacct ctaccacag agccaagtgg attttctctc ctcaacagct ggttgagaaa 240
tatagagctg ccaatcagag 260

<210> 36773
<211> 261
<212> DNA
<213> Glycine max

002230 "E.T.E.560

<223> Clone ID: 700808424H1

<400> 36773

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aggaagatgg gtaaggaaaa gggtcacatc agtattgtgg tcattggcca tgtcgactct 120
gggaaatcca ctaccactgg tcacctgatt tacaagcttg gaggcattga caagcgtggt 180
attgagaggt ttgagaagga agctgctgag atgaacaaga ggtctttcaa gtagcctgg 240
gtgctggaca aacttaaggc t 261

<210> 36774

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700808425H1

<400> 36774

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ttcacatcca ggggtggcaa tgccggaacc agatcggcgc caagttctgg gaggtgggtt 120
gcgcggagca cgggatcgac cctaccggaa ggtacggtag ggactcggag ttgcagctcg 180
agaggatcaa tgtctactac aacgaggcca gttgcggtcg gttcgtgccg cgcgcgggtc 240
tcatggacct cgaa 254

<210> 36775

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 700808390H1

<400> 36775

tgaaacctcc attctcagat caagcttgca ccaaaatata tacatagcta tggacaataa 60
tactagtgcc tgtgcctacc ccaacttgag tcagaagaag catcttcaga gcacaaatca 120
gaaactcaaa catcaaagaa aaggaaaatg gttgagaaaa cagttgtgac tgagggtag 179

<210> 36776

<211> 251

<212> DNA
<213> Glycine max

<223> Clone ID: 700808362H1

<400> 36776

catttggtgcc catctctggt ttcgaggggtg acaacatgat tgagaggtcc accaaccttg 60
actggtacaa gggaccaact ctcttgaggc tcttgaccaa atcaatgagc ccaagaggcc 120
ctcagacaag ccactcaggc tccattgcag gatgtctaca aattggtggt attggtaccg 180
tgccagtggg acgtgttgag actggtgtcg tgaagcccg atggtggtga cttttggtcc 240
actgggctga c 251

<210> 36777
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700808363H1

<400> 36777

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aggctttgaa aagtattcca aggctctgag aatggtgtat gttcatagtt accaaagcta 120
tttatggaac catgctagca agtaagaggg tgcaaaaata tggaactgag aatgtagtat 180
taggggactt ggtatattgt aaagaaattc tactggtacg gtacagattt ggtgggatct 240
gatatgctga agactg 256

<210> 36778
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700808365H1

<400> 36778

agaaaccttc tctgatcagg gacaaagggg acaggtggag tcaaactctac tgaggtgaat 60
ggttctgctg agaaggcaaa ggggaattcag gaagaaaagt tgtgggagat aaggtttctc 120
ttgatgacta ccagtaaaa gaaaatctca aggagataaa aatttcaact caatgatagt 180
tgaatcta atgttccaaag ttaggacaga accaaacact gaagagctgc ctaagaaggc 240

taatcaggag gtaactctct ga

262

<210> 36779
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700808366H1

<400> 36779

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tacatttggt atgccttggtc attgccttag taagtgtgca agcagaagat gcgtataagt 120
attacacatg gacggtgact tatggaacta tttctccatt gggtagtccc agcagggttat 180
tcttatcaat ggtcagtttc ctgggcctag acttgacttg gtgactatga gatgtaattc 240
tcaacctatc aacaagctgg 260

<210> 36780
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700808367H1

<400> 36780

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gaaattttgc cgtgaatgca ataacattct gtaccctaag gaagacagag accagaaagt 120
tcttctcttc gcttgccgca actggaccat caggagggttg ctgataactt ctgtgtgtat 180
aggaatgaga tacatcactc tgttggagag cgcactcagg tgttgcagga tgtcgctgca 240
gatccacgct tcctcgaacc 260

<210> 36781
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700808368H1

<400> 36781

gtcgcgctga tgggcaaaac tgtggcaact ttctcactga tcggccatct accaaggttc 60

atgctgcccc ggggtggtgga tcttcttgca ttacctcttt ggtgggcctc caggggaactg 120
 attcatacta ccatgtgatg tatcatgtgt aaaatggata gtgtgcattg tgttttagacc 180
 agtggactttt gtttcttggt caattgaatc tcttgacaat ttgggtgtggc ttgatggcca 240
 actaagctga ttcatag 257

<210> 36782
 <211> 220
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700808369H1

<400> 36782
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 tctgatgttg acattgtcta cagtttgaca atgnntgtgc atanengttg aaagtgcttg 120
 atcgtctttg ctcttgccg cttgcgcatt tgctggcttt tctacattta attttttcct 180
 tgacacgata ttaatgttat gctacctgtt cgttttagtt 220

<210> 36783
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808370H1

<400> 36783
 gcctcacaga ggtaggaag aatggcacct gtgctggttg aggccagatg gtaagacaca 60
 agtaaccgtc gagtactaca atgacaatgg tgccatgggt ccagttcgtg tccacactgt 120
 cctaatttcc acccaacatg atgagactgt gagcaatgat caaattgctg cggaccttaa 180
 agagcatgtt atcaagcctg tcattcctga gaagtacctt gatgagaaga ccattctcca 240
 cctaaccctt ctggc 255

<210> 36784
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808371H1

<400> 36784

aatcggtcaa aaccaatcta tctatctatt tggataagc atggagcttt gttggcaaaa 60
 atccatccat ggctcttaaa gaagcttgga ggattttgtg tgagagggtt ctcacccttc 120
 aactccacc tctacagtt tgcttatgct ttagccattg gtttctctaa tcaatcacca 180
 caaaagggtg tacatggagg aacataattc tctgagtggg ctgaagcaga gaagctatgg 240
 ccacatctta gc 252

<210> 36785

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700808372H1

<400> 36785

aacaaaatca tatcgagaaa tttgttacac agattcctcg taaggtgagg attaccacaa 60
 ctagaacagt tctatgtggg aatctcaact tacgaggaat ctgtgtaaca aaatcagtat 120
 cgagaaattg ttaaagggga tgaaagaaag ctgtgtttga taac 164

<210> 36786

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 700808374H1

<400> 36786

ctacgaccag gaatgaaatc ctcaaaacgg cggcgtttga acgaaacgca tgatcgatt 60
 cgcaggtcac ttcgcttcgg ccttctcttc atctcgctgt tgcctgagaa cactgcggta 120
 ccttttctcg ttttgtagg taagtttctt cacattcggt atcgtatctt ttcgaatttc 180
 aatcttaagc gattagtc 198

<210> 36787

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700808375H1

<400> 36787

atcttctagg gttttattca ttttccgatg gttctgcaat gttgagtacc gttgctttgt 60
 cgggtgggctc gcttgggcac tgacgaccat gccctcgaga gagccttctc tcagtacggc 120
 gaaatcgttg aaacgaagat tatcaacgat cgtgagacgg cagatccagg ggttttggat 180
 ttgtgacctt cgcctcggag cagtccatga aagatgcgat cggagcgatg aatggtcaga 240
 acttggaagg 250

<210> 36788

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700808376H1

<400> 36788

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 tcccccaag agctgctcag gtcaaactcc tctcccaaag gaaaggaatg aacagcctgt 120
 gaatgttcat agagttgaaa ctcttgcaat gaatggctca catctgtacc tcaggtaact 180
 ggaggagctg tcagttctag taacttagtt gcctctacca gaaagcgtgc cttctgtgac 240
 gggccagaca c 251

<210> 36789

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700808377H1

<400> 36789

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 cctgagtacc ttggatttgt gaagggtgtg ttgactccga tgacttgccg ctcaacatct 120
 ctcgtgagat gctgcaacaa aacaagatct cgagggtgaca ggaagaatct ctgaagaagt 180
 cattgagatg ttcaatgaaa ttgcggagaa ctagaagtta caaaagttct agatgctttt 240
 cgaga 245

<210> 36790
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808378H1

<400> 36790

tgcttctctc tccataataa caaaaccaac accctcttctc tctttctctc ttcttcattt 60
 ccaatgctgc agcaatctgc aacttcatag gcactacgac agaccaatt gaattcccga 120
 gaaaaattga agagaaaaaa ccgtaaagtt aggatctttt gtgtgatttc gatgggtgcg 180
 tacagagcgg acgatgatta cgactaactt gttcaagtgg tgttgatcgg agactcaggg 240
 ttgggaaatc g 251

<210> 36791
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808379H1

<400> 36791

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 aatcccacag aatggcatcc aacaggggtc aaggtggaat tcagcagttg ttggctgctg 120
 aacaagaggc acaacggatt gtgaatgctg caaaaaatga aaattggcta gggtgaaaca 180
 ggccaaggag aagctgaaaa aggagattgc tgaataccga ctcaactaga ggctgagttc 240
 aaaagaagtg tc 252

<210> 36792
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808380H1

<400> 36792

cgttcatgga tccagtaagc gtgtggggta acacgccctt ggcgacgggtg gatcccgaga 60
 tccatgacct catcgagaag gagaagcgcc gtcaatgccg cggaatcgag ctcatcgcc 120

ccgagaactt cacctccttc gccgtcatcg aggccctcgg aacggtctcc acgaacaaat 180
 actccgaggg catgccgggc aaccgctact acggcgggcaa tgaataatcg accagatcga 240
 aaactctgcc gctcagcg 258

<210> 36793
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808381H1

<400> 36793

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 gcaactcgteg cgatctcgcc ctacacttct ccgccatcgg catcgccgtc gctatcggcg 120
 tctccgtcct cggcgccgcc tgggggatct acatcacccg aagcagcttg atcggcgctg 180
 caatcagggc tcttcgaatc acttccaaaa atctcattag tgtaatcttc tgtgaagctg 240
 ttgctataat ggtgttattg t 261

<210> 36794
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700808382H1

<400> 36794

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 caagtactct tttgacttga gttacgttga gaagacaacc acagagactc tagttttggg 120
 tgctgnngcg tgaaggccca attggagggt gctgaaatgg gtgttgcatc tgagaacggt 180
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 tataccttga agcag 255

<210> 36795
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808383H1

<400> 36795

gcaagttcga cgctgagatt gtttactctc tctaaaacgc catcacgtga ctcacatgtg 60
 cggcgcgccg gtggtgctca acatgttaac caacgcgaac tccccgttgg agaaaccggt 120
 tcagatcctc accgcgggag gccgcctcct gcggcggtgc tctcagaaca gaggctttgg 180
 ggtttgtcgt gagtcacggg tatggtttga ctgagaccgg agattggtgg tgtcatgcgc 240
 tggaaggggg 250

<210> 36796

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700808385H1

<400> 36796

gcacggccat gctaagtgtc actttgttgg gatgatattt cactgccaaag aagcttgaag 60
 atattgtgcc ctcttccac aactgtgatg tccccatgt gaatcgtact gattaccagt 120
 tgattgacat tgctgaggat ggattcttag ctgcttact gaaaatggga acaccaagga 180
 tgacctgaag ttacctacag atgagagtct gcttactcag ataaaggatg ggtttgctga 240
 ggtaagga 248

<210> 36797

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700808386H1

<400> 36797

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 gttcacgcca agaaagagcg aatcgctcgt tctgatgatc ctcacgccga tgacgcggtt 120
 gatctctcga catctatgat ttcgtgaggg atattcgga tccgaacatc cttattccct 180
 ggaacagctc agtgttctct ccgaggaatc tatctccgtt gacgacaaat taggccgaat 240
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 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808387H1

<400> 36798

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 ttcatgagga agttgacatt caagagcttg gtgaaatata tgctgaagct caacaatata 120
 tttttaattt gcaatctcgt ttgtcttcta tgaaaaagga gctgcatgaa gtaaagagga 180
 aaagtgtctg tcttcaaata caacagtttg ttggagaaga aagaatgatt tattgga 237

<210> 36799
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808388H1

<400> 36799

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 aacatgtcca ctatgagact tcaagagctt ccttgtcttg aacaacacca gctaggagat 120
 catgtgctct taaaaagagt ccatcatctt tgaggctctg gaagaatgtg tctaaagtgt 180
 ttggattgaa atcatcttcc tttagagtgt cagcaatggc ggtataaggg agctgattgg 240
 a 241

<210> 36800
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808389H1

<400> 36800

actcgagccg attcggctcg agaaagccca gaaagaagta ttgaaagct aacaaacagg 60
 atataactgt tgccatgatg aagcttacctt attactcttg cgaaaattca tttcagataa 120
 agcaaagtct catcactggt tgagattggt ttgcatatga acttgaatac tattccttga 180
 agaggcagga acagaatttc aaaaatttac tccaactcgt gaaagaagca tttttta 237

<210> 36801
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700808361H1

<400> 36801

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tcatgccgca ctgaccgtgc tggacttatt gattctgctc cttggataag aattccatat 120
ccatttcaat ggggagcacc ttcatttgat gcaggtgaag cctttgccat gatgatggca 180
tcttttgttg ctcttggtga gtccagtga gctttcattg ctgcatatag gtatgcaagt 240
gcaagccatt gcca 254

<210> 36802
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700808334H1

<400> 36802

atctggatcg aggttctcgt aattggctac atagagttcc agaggaacgc agagctggac 60
ccagaaaaga ggctgtaccc aggtggcagt tacttcgacc cactgggcct ggccctcagat 120
ccagagaaga aagccaccct tcaattggcg gagatcaagc acgcccgtct cgcattggtg 180
gcttctgggc tttgcagtcc aagctgccgc cactggcaag ggcccgtca acaactgggc 240
caccacttg aggacccatc ca 262

<210> 36803
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700808335H1

<400> 36803

gtggaagcat atagatccat gttccatgaa ttgcggaaac ttcaggtcga agaagagatg 60
cttatgcgca agatgcatga agttatgtca gctcatggtc cactaaaag ttagatgaa 120

gaagaatcag tagcacctga agcagtacta gcaactagag aaggggagcg aatggcaaga 180
 caatttctga agctcactgg tagaggagggc acttgggagg catcagagac gagacagaga 240
 cgatcaagga gttccc 256

<210> 36804
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808336H1

<400> 36804

cgccaccgtt ttcacccact ccacgccacc gtcgtggctc acccccgcca aaaccaccct 60
 cccaattcca tttccatttt tacccttcc agcgctccga attccaattc gcccgaatcg 120
 cagttcgggtt ctcgatctcc aagaaacgga gtcctaataa tagttctttt agggtttctc 180
 tgtctcgggtg gttttgggat tgaaactttt gttccgttta agaatggggg atcgagggtga 240
 agacgaggat tgcaaatggc g 261

<210> 36805
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700808337H1

<400> 36805

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 agttagataa aaaccacaaa cacacaatca gtactaccaa ctagggtttt tgatcatggct 120
 agtttgcaaa ctaggttttc ttgatggccc tctgtgcttg ctggctcttg gtgcaaccat 180
 tattccaatg gcacaagggg aagtgtcatg tggccaagtt gtgagtaacc tgaccccatg 240
 catctcctag tgctatatgg tgga 264

<210> 36806
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700808338H1

<400> 36806

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gctggcgtgg gaaagtcttc atctttgaag atgaagtctc aggtttctcag atcttggtcc 120
tcttcttctg agttcagggg ataaagcttg tctttcatgt aaatagaggt tacccaatag 180
gggtcaattcg cgcttgagag cttcaactgg ggctcagatg agctttanct agggacagtt 240
cagaatgggtg ggaaaagg 258

<210> 36807
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700808339H1

<400> 36807

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ggggccttggtg gcaacttgcg gcaatcaatc cctcgccgtc ttgctcacgg taataataaa 120
gctgttgctt gtcgatattt tgccctcagat gctgagctga aaaagacagt cctttatgac 180
ttccatgttg ctaatggagg gaagatgggtg ccatttgctg gatggagcag ccaatccaat 240
acaaggatca attatggact c 261

<210> 36808
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700808340H1

<400> 36808

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gaagcttcat tctcgccctc gccgtcgaac gctacaacgt tcaccggaga ttggccttga 120
atgtaacact gctgttttgt ggcgacccgg ttaatccagc gctgttactg ctggggctgt 180
gcgcgacgat attcttcgtg agcatgtggc tgcacaacgt ggcgacggcg gtgatgatga 240

<210> 36809
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808341H1

<400> 36809

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 atgttttgct gattccgcgc attttcgagt gtttgcctca aaggattgac cgtgagagct 120
 tcttccttgc acttcacatg gcagttgaag ctgataatcc atattttcga ttgggttaca 180
 acagtttggg cgtttgcaac cattaaccat ctccacctt ccaggettat tatttggtc 240
 tgccttccca attgagaag 259

<210> 36810
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808342H1

<400> 36810

ctcaacctga atgcaatgaa caagttggag gtgttgaagc catggactct ctcattctca 60
 ttccggcgag cactgcaaca aagcacactc aagacatggg gtggaaagaa ggagaatgtc 120
 gccaaagctc aagaggcatt tctggcaaga tgcaaggcca ttctgatgct actcggggaa 180
 tatgttgttg a 191

<210> 36811
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808343H1

<400> 36811

cgcagaagaa gaaaactgaa gcattttcta ttgaaagtta ttgatgaagt tgccagcatg 60
 taatttgaag ttgaagcact agcatatttg gcgttttgaa aaggataaaa atgtgccct 120
 tgattaatat atgcagttca atagtgtctg agtgagcgaa ttgaagacgt tggaaatggt 180
 tctatgtact atttggettg tatgcttgta ttacaacgct aatagaatat taaatgagct 240

tgcgagagaaa aataaaa

256

<210> 36812
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700808344H1

<400> 36812

acgcgtcctt cttcttactc ttgcttcccc tgttttttct tctgtttttc actggcaaca 60
acaacagcac atacaaacaa accatgaacc tttcgtggct gcggctgttt tggtgtgtgt 120
gttggtgggg tggtggttgt tgatgccagg tttgtggtgg agagagcagt ataactgttc 180
tgtccccgca taagctgaac gcgaacgctg atggcgccat cggttaacttc 230

<210> 36813
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700808345H1

<400> 36813

gtgcagagta gagcagcaga gaagagagaa aacggcactg cagccgtaga aggaaaaccg 60
accatggtgc acgtctcctt ttacaggact atggtaagac gtttaagaag ccccgccgtc 120
cgtacgagag gagcgtctag acgcggagct gaagctggtg ggggatacgg ctccgtgcaa 180
aaggggctgt ggatggtgca tacgcgctca gccgctccgc aacaaccgcg gaatctctac 240
cctcg 245

<210> 36814
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700808346H1

<400> 36814

nagtaaattc ctatcatttc ctatatcatc taaaccttct ttttaacaaaa accaaaatga 60

tgaacaagca atctgtcttg cccttctcac tagcattgct agtttcattt ttgaattgca 120
ccaccacctt agcccaatta tcaccagctt ctgccccctt caaaccaccc aacctgctcc 180
taccatacca gctgctgctc ctcaacaacc attgggttctt tcattgccac aatcaccaag 240
tgattccacc ctgacagta 259

<210> 36815
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700808347H1

<400> 36815

gaagtgaggt tgtctttcaa agatggaaga ggagacattt gaaaaaccat tgttgaagaa 60
aaactatcat gagaattgtc ctgggttgtaa ggtggatcaa gccaaaggagc tcaaaaagga 120
tgtttctctt agaaatcttt cttatatatg gctggcggtg ttatgtggca ctttgcctgt 180
agcatcattc tttccctttg tttacttcat ggtgaaggat tttaatatgc tgaaacagag 240
gaagcataag tactatgctg 260

<210> 36816
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700808348H1

<400> 36816

attgcgggtc ggctcgagca acttctctct ttctacacaa ataactcctt ctcagtgtga 60
gcagttgata agagagatga tgatcaacgt gaaggaatcg accatggtgc ggccggcgga 120
ggaggtggcg cggcgggtgg tgtggaactc caacgtggac ctggtggtcc ccaatttcca 180
cacgccagcg tctattccaa ggtccaatgg cgcccccaac tttttcgacg gcaagggttat 240
gaaggagcat gaccaggtgc ggtgccttct acc 273

<210> 36817
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700808349H1

<400> 36817

cgttggtgga gaaattgatg gctgaaaatg cggaacttgt ggagaaggtc accgagttat 60
gtgttgagtt ggatcaccaa agtgcagtca tgaacccaat gagatgactg aattcgctaa 120
acctactggt gttgccattc ctccaccaga atctgctgag tatgcgctctg tgcgggcccc 180
caagttgaat tcattggaag agacttcagt gaaggataat ggtaactctt ttaatgacgc 240
taagcatgat gtggggtaat gtc 263

<210> 36818

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700808350H1

<400> 36818

agatatggct gaggaatggt tgaagtatgc aatggatttg agtggcttgt tactgctata 60
ttcttcttta ggagatgctg aaggaatatc aaaacttgca atccttgcca aggagcaagg 120
gaaaaacaat gttgcattcc tttgctatct atgttgggta aattagaaga ctgccttcaa 180
ctgttggttag aaagcaatcg aattccagag gcagctttaa tggctcgatc ttatctccca 240
agtaaggtcc agagatagtg gc 262

<210> 36819

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700808351H1

<400> 36819

gtttctttgt ttcattgactt ttgagtagca aagctgatgc ttagggacag agctgaataa 60
gtgaaaacat tgcaatattc tactattatc ttttttggag attaattaaa gtagttccaa 120
atatcattga gttcaagtag tacataatgc ccaccaagct tcaatcaggt ttttcatttc 180
atgattaatt agttcaagta gtacataatg cccaacaagc ttctagatga gaaaactact 240
gttattacat aaactttact t 261

<210> 36820
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700808352H1

<400> 36820

ctcgagccgc tcgagccgca caaggcagaa agcaagctca tcctagagtt ttaaaaatgg 60
cagcagcctc atccatggct ctctcttccc atccttggct ggcaaggccg tgaagctggg 120
cccatcagcc ccgaagtcgg gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc 180
tccggaagcc catggtacgg ccagaccgc gtcaagtact tgggcccac tctggcgagc 240
ccccgtccta cctcactggc g 261

<210> 36821
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700808353H1

<400> 36821

cctactctca acacactgca gcgagaacca aagagaaaaa agcttcttcc attttccgaa 60
atcgaagcat tagggttagg gtttttccga tctgagaaat tcgcggccca atggcggagg 120
aaccggagag caccgtcacc accggcgccg ccgacgaatc gctgctcgat aagatcaccg 180
agaagcttca cggccacgat tcttcgtcct cttcatctcc cgaactcgat cgactccg 238

<210> 36822
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700808356H1

<400> 36822

tcaatttgty acactaaatc taagttacta tgactgcgca gaccaagag gagcttctat 60
gcgcaacacc tcgaacagca aaagatccat gatgatgaac ctgtcgtcga ggatgatgat 120
gacgaggaag tggatgatga tgatgacgat gaggatgatg accatgagaa ggactagaag 180

gtgatgcatc tggtaggtcg aagcagacca gaagtgacaa gaagagtcgc 230

<210> 36823
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808357H1

<400> 36823

cgcaagtgtt gttgctgatt cagttcgatc cagtcttgtc tctttatctc tgcagaacct 60
 acaggggtggt tttttccggg caacaaattt gtgggggttca tcaaagttcg ctctctctg 120
 cagcataaat ttggcccata agtataatca atactcagta tttcttgagg a 171

<210> 36824
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808358H1

<400> 36824

gtagaaaggt gaagttccag gtacgtgtgc atattcatca aagcatcatc aaagcacact 60
 gcatcctaac agcacacgta cgtgtgcata cttcatcaaa gcatcatcac agcacactgc 120
 atcctagcag cacacgtacg tagaaaggtg aagttaggat gca 163

<210> 36825
 <211> 162
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808359H1

<400> 36825

cttcctaaatc ctgtgatccc attccaatcc gttcgttcag ctcaatctca aaatctcaat 60
 ggccgataat gagcaaccga ataacgagga ggcaagtact cttctccacc agcccatcc 120
 ccaaccaaat ccgaaccacc aacgccacat gagactcccg ag 162

<210> 36826
 <211> 255
 <212> DNA

<213> Glycine max

<223> Clone ID: 700808360H1

<400> 36826

gcggattcga caagtaacgat gcttcttctg gtgagtaaat ctctcttttt tcggtataac 60
catgagcagc ttcttggttaa cttcccttac ttcctaacg acgcttcgtg gcagcatgag 120
ttctctcacc agtcttgctc cactcgaagc agtgctcttt gatgttgatg gaactctctg 180
tgattctgat cactccact attacgttgc gctgaaattg ctccaagagc ttggttttta 240
tgagagtgct cctat 255

<210> 36827

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700808333H1

<400> 36827

caaagaggct gaaattgcc aagagcaaag aacgattcag gtgatggaca tccatgagtt 60
accgaagtca aaaccaaga atagatgcct tctttggga gaacaaaggt ggtggtggtg 120
gtggtggttc tcaggaagc actggtgatg gtgattacta ttatgatgat gcatgttttt 180
ccattgttgg tgccattttg cgtgtaaaaa agccttgtgg gaggggtgcg gatataatca 240
agtcccaaac cctgttcac atccctgtgg aa 272

<210> 36828

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700808304H1

<400> 36828

gtacgaatca tgtcaaaaat attcagaagt atgtttgaag ctgtgccacg agatgaacat 60
caaggcaatt gatctatggt ctgcactcca gaaaggggta actggagaga tgtttgtttc 120
acggatggaa ttcatcttac ttctgagggg agcaatatag tggcaaaaga gatcttgaag 180
gtcatcaaag aagcagagtg ggaaccttgc ctgcactgga attcaatgcc actgaatatg 240

266

<211> 259

<213> Glyc

<223> Clone ID: 700808305H1

<400> 36829

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180

240

259

<211> 269

<212> DNA

<213> Gly

<223> Clone ID: 700808306H1

<400> 36830

60

120

180

240

269

<211> 265

<212> DNA

<213> Glyc

<223> Clone ID: 700808307H1

<400> 36831

60

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 acagggttgag ttctagttcc aattatagaa caaagaagaa gagcaattca aaaccctggg 180
 tcagatcaca cgcgcacaac gttttcctac ctagacacac tttttgacct caaagttgaa 240
 gggaagaaat cgcaccctct gatgc 265

<210> 36832
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808310H1
 <400> 36832

gttgcaatta gcaaaagtgg cacaaaggaa gaaaaaagaa gaaattctga agcaggccca 60
 atccaatagg ggcgctaagc gcgcatacagg cgctaagcga gcaactaact gcaggcgctg 120
 agcgtggcgt taacacgaag gtggaaaccg ttacgcgcgc taagcccagt aggcgcccag 180
 cgcacgatcc aacagaagca caggcccagc gtgcatggtg cgcccagcga cgatctgaac 240
 gcgctaa 247

<210> 36833
 <211> 129
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808311H1
 <400> 36833

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 ccttcttcca ggaagaccgc aatcgcgcac tcaaccgctc actcgcgagg accgggtcca 120
 cattcacca 129

<210> 36834
 <211> 91
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700808312H1
 <400> 36834

atcagatctc cccatgatta ttgatcaata agtcgtgtcc taatttcgtt ctaaatacat 60
gtattttgtt aaaaaacgca tatgctatgg t 91

<210> 36835
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700808313H1

<400> 36835

gactctggaa agaatgggga tgtttttctt tgactcttcg gtgtacacgc caagtgtctc 60
gccactttgt ctgccaaatg gattgattat agttcttaca aagaggtctt ggaagctgaa 120
cccctgagtg gctccctgat agttctacta ctgtttgtat gcaatgtagt gctcttttac 180
tgcgttacgc gtggtagaca tcattgcagg ttttgtgggg ggattttctg tcgaacagta 240
c 241

<210> 36836
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700808314H1

<400> 36836

gcacggagct ccgttcagct gaacccttcc tccgtcgtgg caagcaccac ggcaaagaca 60
tcatcaagaa gtctcagagg aagagcagca ggtacctctt ctccctcccc ggcttaattg 120
ctcccatcgc cgttggaag atcgggtgacc tcaaggactt gggcaccaaa aaccccgttc 180
tctacctcga tttccccag ggtcaaata agttattcgg gaccatttat atcaaagaac 240
agatactgac tctacag 257

<210> 36837
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700808316H1

<400> 36837

ggccgttcaa tcagggttcc cttcatgacg agcaggaaga atcagtttat tagggctttt 60
gatggtttca aagtccttgg tcttccttac aagaaggtga agataagcgc caattcacca 120
tgtacttttt ccttccagaa acaaaagatg ggctgttagc tttggctgag aagttggctt 180
ctgaatctgg gtctttgaac gcaagccttc ctaataacaa attggcagta ggagacttca 240
ggatctcaag atcaaaaattt ctttgg 266

<210> 36838
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700808317H1

<400> 36838
cgcgtttcgg agagagacgt cgcaatnggg gaggaggcct gcaaggtgtt atcggcagat 60
aaaaaacaag ccatacccca aatcacgctt ttgccgtggt gttcctgac ctaagatcag 120
aatttatgat gttggtatga gaagaaaggt gttgatgagt ttcccttctg tgttcatctg 180
gttagctggg aaaaagaaaa tgtttcaagt gaagcattgg aagctgctag aattgcatga 240
acaaatatat ggcgaaattg ctggaaaa 268

<210> 36839
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700808318H1

<400> 36839
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atatctatac atctatatat ttttaaaatt tttgttgaga ttggatgtgt aggattgaat 120
tggcttgttt cttgttgta ttgttaaatt ccatgtatatt atttcatcgc acttgtagt 180
ccgagtctgc tgacacccat tgagccataa tgcaacaata ggtttgggtt gtggggtaat 240
gttgtttgtc attaacgtta atgccttc 268

<210> 36840
<211> 263

<211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808322H1

<400> 36843

ggcattcttc ttgaggccag acaaggattc caagtatcga acatttgga tttgtatcac 60
 agttggtttg gaagaatggc acttttcttt gcagcattga atatagtcct ggggatgcga 120
 gctgctgggag caggaatgat tggaaggcag gctatgggtt ccttcttagc attgtacttg 180
 tcgcagttat cgttctggaa gtcttggcgt atttgaaaag gtcagaaaag cgttctcttc 240
 ctcagatttc caaatggacc a 261

<210> 36844
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808323H1

<400> 36844

ggtaaacagt ttgaggaagg tacaactcta ccagcatttg gcttgactga aaagggggag 60
 agtatgtatg accctgcaaa atacacttct ttgaggggtga aacagctatt ggtggcgtaa 120
 cagcatatgg tgaaagcata gttgatcctg aagcaactga aatggaatat caaggttcaa 180
 atgtatctcc tgatttgtca ctgtcaaaga acttggtcaa agataacgat acaacacttc 240
 agatctcttg tggagcttg 259

<210> 36845
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808324H1

<400> 36845

gactggggag gatgagatgg ggggtcgaaga tgatggggag tttgaagatg acgatgaaga 60
 agaagactat ggtgctgggt atcttgttca gccagttgga cagtctgatg ctctcaatgc 120
 tggaggagtg atgtggatgg tggaaatgat gacgatggtg aagaggaggt gaagttgatg 180

acgacgacga tgatcaggtg ttgcctcctc ctgactcttc ccacaagagg agaggatgat 240

<210> 36846
 <211> 177
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808325H1

<400> 36846

ggcgactgga tattgaaaag cacatgagga cagatcttga agaagctaaa gggcaagaga 60
 ttgcaaaatt gcaaaatgct ttccaatgat gcaagggtcag ttagatgaag cccatgctgc 120
 aattatacat gagagagaag cagcaaaata gcaattgaac aagcaccacc agtaatt 177

<210> 36847
 <211> 167
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808326H1

<400> 36847

gttctaaagg atggtactac tttggaggaa aataaagtag ctgaaaatag ttttattgta 60
 attatgttat caaagactaa gagttcatct ggtgaaggat ctactacttc aactgctcct 120
 tcagttaagg caagtgaac tcctacttca acctctgtgt ctgctgc 167

<210> 36848
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808327H1

<400> 36848

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 cttccaaccc tttctctctc ctacacttc ttctcccttc acactctcag ctgcttctgc 120
 ttcttcttct tcttcttctt cttcagtagc agttggcaag gacagggacg tcttccagca 180
 gaattgaatg tcaactgaaac agcggcacc aattccagag ttagatgcat gtggaggtgc 240
 catcatggta tgtga 255

<210> 36849
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808328H1

<400> 36849

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 tgaaagggtcc aggtctctac tctgacatcg gcaagagagc tcgcatctt ctgttcaagg 120
 attatcagaa tgaccacaag ttcaccatca ccacttacac ttccactgga gtggaaatca 180
 cttcaactgg agtcaggaaa ggtgaaatat atctggccga gtcagcacta aggtgaagaa 240
 caagaacatc acaactgatg tca 263

<210> 36850
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808329H1

<400> 36850

gttaatttgc ttcccttttt tcacactcac tctcactaaa tggcttctc tgttgcttta 60
 gttttgggtc tatgtctagc actcaacatg gttctgccga cacgtgcagc taccacaca 120
 gtgggagaca cctcagggtg ggcactcggg gctgattaca gtacatgggc cagtggcttg 180
 aaattgacag tcggagatag tcttggtttc aattatgggg ctggtcacac agtggacgaa 240
 gtgaaagaag tgattacaag 260

<210> 36851
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808330H1

<400> 36851

acaagctttt gcttgttttg gtgttccagt tccagttaga gccatgtcca tgtcctttct 60
 ctttaccttt accatcatca tcagctttgg cttgtgcatt ctttatgcat ctgcagaact 120

ccagagatta tcacactctt ccaaacatga tgggtgctctt agcttcttgg tgcttggtga 180
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 agagctgata tcgacttg 258

<210> 36852
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808331H1

<400> 36852

gggggttaaaa aatatcgatt aacctctgat atttctctta gctgcagtct gcagtgagaa 60
 tcggaaaatc tccgaaccgc ctacttccta tcctttcaaa agagtgtgac tgtaatagtg 120
 agctaaacaa catcggcagc tagatcgctg aagaaa.cga aaaagaaaag ctttgaaaat 180
 ggctcaagga gtcactctca gaaacccccg atatctcgcc cccttcgtct actgcacaat 240
 cgaagccaga tcatctgctt tcag 264

<210> 36853
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808332H1

<400> 36853

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 tcctccaagc atttaccaaa gattgacatc aagttctact ctaatgaatt tggcgcaggc 120
 tttagcttac cataaatgtg ttacgagata tgccgctgca ggagctgcaa cgaccagga 180
 gcagcggact attcaaaatc tatctgacac ccttcgaacc attcttcggt tgtaggtcaa 240
 tggcatggtt gtgtaactag ta 262

<210> 36854
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700808303H1

<400> 36854

cttctatggc tggccttcaa caatacaact tcttccccac cgattcttgt acctcgtcca 60
 caaccccaac aagcttctcc taaacccacc atgcttcccc tccaaacccc taatgttcaa 120
 gatcacactc agcaccacaa ccaccaagga ccaatgccac cccttcaact tcttctgccg 180
 ttgtttatag ccaaaagggg cattctattg ctgccgttga cgacaacaac aagtctccaa 240
 attctcatca gacctctttc ttggttgct 269

<210> 36855

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700808302H1

<400> 36855

ggagtcctca aagatctatg cttacctctt cctctgcatg atctttctct cttccgccac 60
 tcccattctc ggttggtggt actgtggcaa accctccaaa aagcacaagc ctggtaaaac 120
 accaaagaca cccaaaacac cgttgttaag ccaccagtca ccatccctcc cattaatgtt 180
 cctcccgttg ttcttcacc aatagtgaag cccccaggta ttctccctcc aattccatta 240
 ttaaccacc aaccacacag ggaagggagg g 271

<210> 36856

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700946468H1

<400> 36856

gaagaggcag ctgacaggct catgggcctt atatgtgaga caaagggaaa tcatgaaaca 60
 gctcttgagc atcttgtttt agccagcatg gcaatggtaa ataatggcca ggaagcagaa 120
 gtggcatctg ttgactgcag cattggagac acatacttgt ctttgtctcg atatgatgag 180
 gctgcctttg catatcagaa agcgctaaca gttttcaaga ccagcaaagg agag 234

<210> 36857

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700946469H1

<400> 36857

ctcgagcgtt caaattggct atagtttgaa agttctgcag cagatctagt catagaaatc 60
agttgtagat tgtagaaatc aattcattct tacatacatt acattacagt acaaaagaat 120
caaatggaag aaagatgata atccctgttc gttgtttcac ctgcggaaag gtcattggaa 180
acaaatggga tacctattta gaccttctgc agtcagatta cagtgaagga gatgccctgg 240
at 242

<210> 36858

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946470H1

<400> 36858

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ccttgctggt tgcttcatt cgcgatggcg ttgcaggaga ggctagacaa gttcaagaaa 120
cagcaagaga agtgccaaac gacactttcg accattgcag ctaccaaggc cgccgaggca 180
acccaaaagt ccgccacaca tgccctggca aatggaagaa acgctgcccc tgcggttaa 239

<210> 36859

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946471H1

<400> 36859

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gctatggcta actcttccaa caaatttgat caactcttcc aaccaagtcg ggcttttgac 180
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<210> 36860

<211> 239
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 <213> Glycine max

<223> Clone ID: 700946472H1

<400> 36860

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 tgtgctgtgg cctctgtttt caaaggaaac ccttggtctt ttccttgctt ttctttctta 180
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<210> 36861
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946473H1

<400> 36861

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 aaagggtttc tgaaatatca gctaattgta ctgagtgcgt aatcattgag atctgccttc 180
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<210> 36862
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946474H1

<400> 36862

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 gatcgttatg ctaatagaaa cacggttttc ttgatatta acatgaaggg cctagatggg 180
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<210> 36863

<211> 235
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<223> Clone ID: 700946481H1

<400> 36866

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 ggtcctagag gccttcccat aatagggaat cttcatcaac tagatagtcc ttctcttcat 180
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<210> 36867
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<223> Clone ID: 700946482H1

<400> 36867

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 ggtgcttggt tccattcatc tacaactatg aacaaaactg tttaccaatc gctgcaaaat 180
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<210> 36868
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<223> Clone ID: 700946483H1

<400> 36868

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 gtggatggga agcagaagat aatgttcgca atgacctcca tcaagggat tgggaaggaga 180
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<210> 36869

<211> 239
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<223> Clone ID: 700946484H1

<400> 36869

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 ccccggaacg ttggatcggt tgacaagaac gacccgagcg tggggacggg tttagtgggg 180
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<210> 36870
 <211> 239
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 <213> Glycine max

<223> Clone ID: 700946485H1

<400> 36870

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 cccttcttgg agttggacat caagtattat gacttaggcc ttccttaccg tgatgagacc 180
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<210> 36871
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946486H1

<400> 36871

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 actcctgaag ggattcaagc tcggatgtgg gtagcactgt ctatcttctt cttgactgta 180
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<210> 36872

<211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946487H1

<400> 36872

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 agggaccatg gccaaagatg acagcttatg aaagatcacg tataattttg cgctttgctg 180
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<210> 36873
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<223> Clone ID: 700946489H1

<400> 36873

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 caatggatga tgatgatgta cagtctttgg aatcctatgc catggaactc tctggtccta 180
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<210> 36874
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946490H1

<400> 36874

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 gaagtggaaa gtattaagca aacttggctt ggagtggtgg ttctaaatga tatcaaagaa 180
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<210> 36875

<211> 234
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<223> Clone ID: 700946492H1

<400> 36875

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 atgaaaatga gacgaaacat ttggaggaaa tggaaggagc aaagagtcgt ctccattttt 180
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<210> 36876
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 <212> DNA
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<223> Clone ID: 700946494H1

<400> 36876

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<210> 36877
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<223> Clone ID: 700946495H1

<400> 36877

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 aatccactac cactggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg 180
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<210> 36878
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946496H1

<400> 36878

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acctcagagt cggatgaacga gggacaccct gacaagctct gcgaccaa at ctccgatgct 180
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<210> 36879

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700946467H1

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gaaattgatg gctccccaag gatgggtccg acgtttgggg cgatgatgat atcagggcag 180
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<210> 36880

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 700946433H1

<400> 36880

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cgccctcatc gccgaccagg accgcgcat caagaccag agcgaccccg cgaagcacgc 180
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<210> 36881

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946434H1

<400> 36881

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ttgtaaaatt ttgctacttt cactgcaaga ttaagctata aaatgcaaga acattgggtt 180
agttcaactg attgcagact tgtagtggac ggcttggcca tctgttcaca gacgttaat 239

<210> 36882

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700946435H1

<400> 36882

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ttctggtcac aattatgctg tgtggcacia gtagtggtct gttggcatgt catgaccctt 180
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<210> 36883

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700946437H1

<400> 36883

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aacatcttct ctctaactcc gattccgata ctactctat cttcgatgac gagctcaaac 180
tcgtggagat tgcgctgagg aagaatttca agtcttacgg cgcgtggcat aatagaaaat 240

<210> 36884

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700946438H1

<400> 36884

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 aggaagctga ggagaaagcc aacgagatct ctgtatctgc cgaagaggaa ttcaatatcg 180
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<210> 36885

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700946439H1

<400> 36885

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 gctttgtggg ttgtgtaa at tgggtgcctct tcattcgtgg aatggtttta acaacccttg 180
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<210> 36886

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700946440H1

<400> 36886

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 ctagtgttgt gcagcatagt ggtaataaag cgagcgagca ttgctagtaa cctgagcaac 180
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<210> 36887

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<210>	36888
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<210>	36889
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<210> 36890

<211> 235
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<223> Clone ID: 700946445H1

<400> 36890

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 cgcctcaccg aggagcgcaa gtcgtggcgg aagaaccatc cccatggttt tgttgccaag 180
 cggagacgct gcccgatgga accgtgaact tgatggtgtg gcattgcact attcc 235

<210> 36891
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<223> Clone ID: 700946446H1

<400> 36891

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 ccgttcccaa aaggccctcc agcaggcccg aggccagcc cgaggaactt tccattccct 180
 tcgagtccca gccctagaag actccagagt caccctcaa tttcactctc tcagcc 237

<210> 36892
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<223> Clone ID: 700946448H1

<400> 36892

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 gcagttgggc agaaagccgg tgacgtatt aagaagtatt tggtttccga tgcgaaaccg 180
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<210> 36893

<211> 248
<212> DNA
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<223> Clone ID: 700946450H1

<400> 36893

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cggcgctaac attttgttcg ggtggggcct tctctaggtg cggccatgga accccgctgt 180
ggacattgtg gggcctgctt gtcgttgagc tggcacctgg gaccagatca ctggactcta 240
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<210> 36894
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<223> Clone ID: 700946451H1

<400> 36894

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taatcaattt agccattgga gttcttcac atgtggacaa ttttgctcat attggaggat 180
ttgtctctgg cttttttctt gggtttatct ttctgattcg cccccagttc aaatgggt 238

<210> 36895
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<212> DNA
<213> Glycine max

<223> Clone ID: 700946452H1

<400> 36895

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caaagacttg ttgtaattat tgagaattct agttagtagt gggcttcaaa aagtatttca 180
tgattctcat ctgcaatgct gttgcaccag tgtcttaggc agggatattc tgtagaggag 240

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241

<210> 36896
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<223> Clone ID: 700946455H1

<400> 36896

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cttattcctc ccatcaacac cacaacgcgg gttctgacgg tgggtgttgca catggatttg 180
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241

<210> 36897
<211> 239
<212> DNA
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<223> Clone ID: 700946457H1

<400> 36897

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cgccgatctg cttagggctc gaagatttct atattcgccg cttgtacctc cgaattcagg 180
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<223> Clone ID: 700946458H1

<400> 36898

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tcctcaggct ctgataggct ataggatttg ctggcgggtga ttacaaatca caagcattta 180
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<210> 36899
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<223> Clone ID: 700946459H1

<400> 36899

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagtgt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtt 236

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946460H1

<400> 36900

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 caaggcctat attgctgagt tccattcaac cttgctcttt gtttttgccg gtgttggttc 180
 agccatagcc tatggtaagt tgacatcaga tgcagcactt gatcctgctg ggta 235

<210> 36901
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946461H1

<400> 36901

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atcagccaca cttaaaagga accgctcact cactaaggat gaaattgatg cttactggaa 180
 atcaaagaag aagatagagg aagaacacct tagagctatt tccaatgtgt cagag 235

<210> 36902
 <211> 226
 <212> DNA
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<223> Clone ID: 700946462H1

<400> 36902

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 aacaagaggc aactcaatac aattagttat ctaaataata atttctgctg ttattgcctc 120
 cattttcatg taatcttact cgccaaaccc atcattgtat acatatcacg aataaaacgt 180
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<210> 36903
 <211> 233
 <212> DNA
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<223> Clone ID: 700946463H1

<400> 36903

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 aatctgattc ctgtaattta gagctcgggt cattccaaaa gcgtgttacc gatcgatttc 180
 aagacctttc tgtagctagt gatgagcaat ttctctcaat tgattggatt cag 233

<210> 36904
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 <212> DNA
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<223> Clone ID: 700946432H1

<400> 36904

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aagatttgtg tgggattatt tctacaaaa aaaaaaaaaa aaaaaaaaaa caaaggggtg 180
 cccccgtatt agggctctct tggccccgga gtttattgcg gacgggggtcc ctgagggggt 240
 tcaagcttcc ccaaaggggg gcggc 265

<210> 36905
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946465H1

<400> 36905

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 gtgtgtctct tgcactcaag ttactgtata tagcaccaac agaataataa gtaaaaagaa 180
 gtgaataata aaaattagaa ataattctgg aaaggacat gaggggattt agtttc 236

<210> 36906
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946466H1

<400> 36906

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 aaaaggagca tgttgattat atagaaagta aagggaaca atcatttttg ttaccatgg 180
 gtaaggtcac catcgctgac ataataacct atataagcaa tgctgacatg aat 233

<210> 36907
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946401H1

<400> 36907

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 tatggaacga gatttatgga tgattatcag gttacaatga ccataaagct tggcctccct 180
 aagtataata agcagatga 199

<210> 36908
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946402H1
 <400> 36908

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<210> 36909
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 <223> Clone ID: 700946403H1
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 aaacagatac ttccgtcatg ccacaggaca gttgtatgcc atttcaaacg atttggctac 180
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946404H1
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<210> 36911
<211> 245
<212> DNA
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<223> Clone ID: 700946405H1

<400> 36911

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tgaggttgac accaaccctg tcttttctga agccaccact gctgtctcta caatcattgg 180
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taaca 245

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<211> 243
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<223> Clone ID: 700946406H1

<400> 36912

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gagaagaagg gcaagcctgc tgcttccggc gtgtgggtcca ccatcaagcc tttcgtcaat 180
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agg 243

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<223> Clone ID: 700946407H1

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 gag 243

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<223> Clone ID: 700946408H1

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 tggatatgaa tgctgcagag gatgctattg tgaggctcac gagggagatt gtgcccggca 180
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 <212> DNA
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<223> Clone ID: 700946409H1

<400> 36915

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 ataaatagaa aaaggagcac gttgattata tagaaagtaa agggcaacaa tcatttttgt 180
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 ataa 244

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<223> Clone ID: 700946410H1

<400> 36916

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 aagtggaggc aaagtgaac tttctagtgc aagatctgct taatgtcagg acacatgtca 180
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<210> 36917

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700946411H1

<400> 36917

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 tccatccctt caagaacaac aacacacccc acaccttgat agctaccgcg ataaacacat 180
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<210> 36918

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700946415H1

<400> 36918

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 ctactgcggc ctcttcgcct tctctctcgt cgtcgcctgg atcctccgtg aggtcgccgc 180
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<211> 237

<212> DNA

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<223> Clone ID: 700946416H1

<400> 36919

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 cttctgagca ggagaagtgt ttctaacctt cttcgtagt gtttccgtga aagtctggac 180
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<210> 36920

<211> 187

<212> DNA

<213> Glycine max

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 aaccttcaga tccacctcat tcgtctccag atcttccttc cttgataacg tgatcgggtt 180
 cgagaag 187

<210> 36921

<211> 243

<212> DNA

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<223> Clone ID: 700946418H1

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 cagcccgaag cccctcaagt tctccagaac aatcagagca gcagccgccc acgagaccac 180
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<211> 221
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 <223> Clone ID: 700946419H1

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<210> 36923
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 <223> Clone ID: 700946421H1

 <400> 36923

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 aagtaattcc acttatctat aagaagtttg tgcattatc aaattatacc tagcatagtt 180
 gctactgcta ccatatatga agcatgatgt agctttgtaa acaagtctat atcaatattt 240
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 <223> Clone ID: 700946422H1

 <400> 36924

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 ttgtgaactt ggccattcaa cttcttacta cttaccagaa agagtttagag ctttgcatta 180
 accatatcaa aacatttgtc gtgaacctca agaatttaag tcagagggtta gagatgagca 240

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245

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<223> Clone ID: 700946424H1

<400> 36925

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<223> Clone ID: 700946425H1

<400> 36926

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 gcgaagtgtg agcaaagcaa gagcacttcc tgatgatcaa gaaaccaa at tgtacattgc 180
 aactgatgga aggtcaaggt tgcagcctcc taccacaccc gggtactttg gcaatgtgat 240

<210> 36927
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<223> Clone ID: 700946426H1

<400> 36927

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 gcagtctcca tggaccatac tttaacta gttctcccag cagattcatc aactcctggt 180

tacatagaag gttgcactcc agttaagtct cttggtgcta cgtcttctgc atatattct 239

<210> 36928
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<223> Clone ID: 700946427H1

<400> 36928

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caatgaaaaa cctcttggtt tggccctctc caatccaact tcacagtctg agtgtacagc 180

tgaagaggct tacgaatgga gtgagggtcg tgcgattttc gctagtggaa gtccatttg 239

<210> 36929
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<223> Clone ID: 700946428H1

<400> 36929

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tcggaaggca aaccagggtt atataattga ttttgggctt gcaaaacgat atagggactc 120

ctcaactaat cgccacatcc cttacagga gaacaaaaac ttaacagga ctgcacgcta 180

tgctagtgc aatactcatc ttgggattga gcaaagtcga cgggatgatt tggagtc 237

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<223> Clone ID: 700946429H1

<400> 36930

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<210> 36931
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<223> Clone ID: 700946430H1

<400> 36931

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aacgagggggc accctgacaa gctctgtgac cagatctccg atgctgtgct cgatgcatgc 180
ttggagcagg accctgacag caaggttgcc tgtgaaacct gcaccaagac caaca 235

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<223> Clone ID: 700946431H1

<400> 36932

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gaagcaccta ccatcacccc acgatgtctt tgttggaac tggaaacca caaaaaatga 180
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<210> 36933
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<212> DNA
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<223> Clone ID: 700946396H1

<400> 36933

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gagtgtggca agacaccaat cgaccaagtt ctgaagttac cagggagtga acgcttcttg 120
ccacaaaaat ctgcacagac atttgattct taagtcaaaa aacaacattc ggcagttgta 180

aatgctcatt gctgtttccc tgcaacttga actttgggtc ttcaatttga agccacctta 240
gtcattcata ttagttgaca 260

<210> 36934
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<212> DNA
<213> Glycine max

<223> Clone ID: 700946351H1

<400> 36934

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tggtgggttca acaaaaactga gaaaagatca tcaactagca ataagggttcc aaaggctagt 180
actagtgtg cagacagaac tcaggaatca aaagccgcag ctgtaccag tgaagtagct 240
cgggagaaa 249

<210> 36935
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<223> Clone ID: 700946352H1

<400> 36935

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aaaccctcc cttttctca tctgcgaatt caaacccac caccattct tccccgctt 240
ctctgcaagt cc 252

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<212> DNA
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<223> Clone ID: 700946358H1

<400> 36936

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<223> Clone ID: 700946359H1

<400> 36937

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agctacgccg attctaccag ttggctggcg ttgttgccgt tgaggtcacg ggtggacctg 180
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<212> DNA
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<223> Clone ID: 700946361H1

<400> 36938

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tggtgtagag ctattaaact tgttttttta agcacctcaa ccgatacctca ggcacccaaa 180
ttaccagatg acattcttcg gcgatactca cagcatgatac tatttgctgc tttaactat 240
ctttaagaga aa 252

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<223> Clone ID: 700946362H1

<400> 36939

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 gcaataataa caaagtatca gcaggtggta gtagtagcga cgtgttagag gtcatgactc 180
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<223> Clone ID: 700946363H1

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 gagtggccgt gtcgtggggg tggggacatt ctctaactgt tactgttacc cagtgcctgt 180
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<210> 36941
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 <212> DNA
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<223> Clone ID: 700946366H1

<400> 36941

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 accaggatcc tgcaatcata taaaaagtaa acggtctctt tcctttgtgg ttaccatggg 180
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 attggt 246

<210> 36942
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<213> Glycine max
 <223> Clone ID: 700946367H1
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<210> 36943
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 <212> DNA
 <213> Glycine max
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<210> 36944
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 <213> Glycine max
 <223> Clone ID: 700946369H1
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250

<210> 36945
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<212> DNA
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<223> Clone ID: 700946370H1

<400> 36945

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gcgtcgtgcc gtcgcgttcg ttcggttaaa ctgcgctggt cagaatcctc cggaatgacg 180

ctcttcgccc aattccctat aattcacttc tctaactctc cacgctttct ctggatcatc 240

cctc 244

<210> 36946
<211> 246
<212> DNA
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<223> Clone ID: 700946373H1

<400> 36946

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ggaagaacct agcttatatt ggcttctgcg gacactgagg aaattgttga tgcttaaatt 180

aagtttcaaa ttatatacct tttcttttct gttttgtctc tgcttatgat ttgaatttta 240

gaataa 246

<210> 36947
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<212> DNA
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<223> Clone ID: 700946376H1

<400> 36947

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<210> 36948
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<223> Clone ID: 700946377H1

<400> 36948

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 tgtgggggttt cttacaattg tttaatgatg cattacttct agagttaaac attttgacaa 180
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<223> Clone ID: 700946379H1

<400> 36949

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 ccaaacatgt atgtcagcag tctcaccett acatggcacc acaaattgtg ccacagccac 180
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<223> Clone ID: 700946380H1

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<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700946381H1

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 ccatttgtgt accggcgctg gtggcttcat cgcctcttgg atgggtcaaac tcctcttgga 180
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<210> 36952

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700946382H1

<400> 36952

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 cgtatatgag gtctatcatc caaatattga cttggaagga aatgtttgtc tcaacatctt 180
 acgagaagat tggaaacctg tccttaatat aaacactgtc atctatggct tgtatcatct 240
 cttcac 246

<210> 36953

<211> 56
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946383H1

<400> 36953

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<210> 36954
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946384H1

<400> 36954

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actgctccaa cctggtctca ccatggccga ttgcttgctc ttcgtcacca acggcagcac 180

catcaciaaag ccagagggca catgctgctc tggtttgaag tctgtttctca aaaccgctcc 240

ggcgtgtctc tg 252

<210> 36955
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946385H1

<400> 36955

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cagcaacccc atttctctgc ggttctctct ctccgtttcc gtaaccctaa ccctaaccct 180

gcttaacctc gccgcctcaa attccgaagg cgacgctctc tacacgctga aacggagcct 240

ctcggacc 248

<210> 36956
 <211> 247
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700946386H1
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 gtgtgtctat gcactcaagt tactgtatat agcaccaaca gaatgataag taaaaagaag 180
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 tataata 247

<210> 36957
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 <213> Glycine max
 <223> Clone ID: 700946391H1
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 ccttctactc accaccattt tctcaatcac cacttttagct cagtcaccag ctgcagcccc 120
 taaagcccca caaaacctgc ccttgccaca ccggtccag cgccggcaaa accttttagtc 180
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 aagatcct 248

<210> 36958
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946392H1
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 ctcgtctccc ttgttaagcc cctcagaatc tggggtggta aagaaactaa aatgtgaac 120
 ctctttacta attgtgatca tgctttgagc tgaaacgagt gacccttgca agctctgttg 180
 aagagaacag agaccaagct ttgtcaagaa gatgatttgt atggatcaca aatggagaa 240

ctgagca

247

<210> 36959
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946394H1

<400> 36959

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 aaaattgaat cagagaaggt cctgctctcc cagttcttga tgaaatgggt aaagatgaga 180
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<210> 36960
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946395H1

<400> 36960

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 ctcttcgctc tccgctcacg aaaaacacaa atctcgcgcc gattggataa agcagctcaa 120
 cgatcctctc gggc 134

<210> 36961
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946350H1

<400> 36961

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 tgaaaagggc ccgaagtact caacgctgtt agaccggcag gatcggcact tgttgatgat 180
 tggcactgcc ttaaaaccat ggtgaggact tttgagacac attgtggatc cttgtctcag 240

tatggcatga

250

<210> 36962
 <211> 204
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946312H1

<400> 36962

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 tctcctcagg atgggtttgt ccctatcagt actggtagaa tttgagatca atgccaagct 180
 ccagtgcacg tgagcacttc aaca 204

<210> 36963
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946314H1

<400> 36963

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 ggtgttatag gcaaattaag aacaagccat accccaagtc acgtttctgc cgtggtgttc 120
 ctgatcccaa gatcaggatt tagatgttgg tatgaagaag aagggtgttg atgagtttcc 180
 tttctgtgtc catctggtta gttgggagaa ggaaaatgtt tcaagtgagg ccctggaagc 240
 tgctcgcatc gcttgcaaca a 261

<210> 36964
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946315H1

<400> 36964

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 agaaaagatc actgatgaaa attcaaacga atactccaac gggaagcaga gtactcgtga 120

agagtcaagt agcattccca ataaggttta atgatggaca ggacagttcc ttcaaagttg 180
 atggatgata ttgcagctac tcggattcaa aatgcatttc gttcatttat ggcaagaaga 240
 acattacacc atctaagggg tg 262

<210> 36965
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946317H1
 <400> 36965

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 ggaatgatat tggcgaaaagt gaagcctacg gagaagagtt agttgctgac tctcatcttc 180
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 cacctaattcc aaca 254

<210> 36966
 <211> 256
 <212> DNA
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 <223> Clone ID: 700946318H1
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 gcagtttcca tggacctact ttacaactag ttctcccagc agattcatca actcctggtt 180
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 ttcttctctcc tagcat 256

<210> 36967
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946320H1

<400> 36967

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caccaccatc agtacatata cttcctcaaa aaatggaaat ggaagcaagc ccaagcccaa 120

gccaagccc gaagcaatag tggcaaggaa gctatggaac atagtacgca tcgtgttctt 180

gatgttgaga aagggcatat caaagagcaa actcgccgct gacttcaact tgaacttgct 240

gttcaaacgt ggca 254

<210> 36968

<211> 252

<212> DNA

<213> Glycine max

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tcacgaatc tggctggcag tacttgatca cacatttcag tgactttcaa ctggcgtggt 120

tgggaagttt ctttctcatg aaggcgtttt cttcttgtct ggacttcctt ttatatggct 180

tgagagggca gggatgatga gcaagtacaa aattcaggcc aaaaataaca cccctgcagc 240

tcaggagaaa tg 252

<210> 36969

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700946323H1

<400> 36969

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tctactgcta cagggatgag ccgggatggt cagcctccag ataagcatgc atatacggca 180

tccagtacgg tgacagttcg ttctccgctg gctacgtcag ccgcgagcgg ctctccgtga 240

c 241

<210> 36970

<211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946324H1

 <400> 36970

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 cagcgcattc gagccatata tatgatggcc aagtgtgatc ctgcgccatgg aaaatacatg 180
 gcttgctgtc tcatgtaccg ggggtgatgtt gtgcctaaag atgttaaatgc agctgtggga 240
 attatcaaga ccaagc 256

<210> 36971
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946327H1

 <400> 36971

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 atcattgtgg ctaaaatttt ccacccaaat gcatgatagg atgcatatgt gaggtgcagt 120
 taagtataata gcttttaaata tgtatttcag aaacatgcac tgctaaccat tttacttttc 180
 tagagatctg tggcttcaac gggaaaaaga gctgcaatcc gatttgcaga tctcaagagg 240
 aaaagatatt ggt 253

<210> 36972
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946330H1

 <400> 36972

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 acatttccca gttctgaaaa accctatata agtgttcctc attctctctc tcgccggaaa 120
 accgcctcgg gatgaggacc gcggtggttg gtttgggtga cgtggatcga aatgggtgtg 180

tggaaggtct ggttgctgtc gaccaacctg cctctgttgc accccaacgc caaacacagt 240
tggttggtgat ccacgg 256

<210> 36973
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700946331H1

<400> 36973

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cgtatgtaat taaaggagtt tgcagcttgt ataatagata tttccattgt ttcagtgtgc 120
caaacaattc tgtcccagct cagtcagtct acttcataat atattttctt atttgaagtg 180
gcattcattt gaattcacgg tagatttggt gccacaataa acttgctcta tggggaacaa 240
acttggtggc agggga 255

<210> 36974
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700946332H1

<400> 36974

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cttccaagga agaagctctt ttcttttttg agagccacaa tttcgacctt gacgctgccg 120
tttcgacttt cctcgacaac ccaacaacc cctcatccct ctcaacgacg accttgccat 180
tccaacccc aacgcggttt cccctccctc agattctcac tctccggact tcaacccttc 240
tcgctcgccg tctccgtctc 260

<210> 36975
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700946333H1

<400> 36975

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 gtgttggtcta tctgataatg ctctgcagg catacagga gccaggcatg ctcaaattgg 120
 aatatcttta tcagatctca ccttaacaat aagctgcagt tggggttgct tccgactaac 180
 gtccaccagc ttaatttgca cactgggatt tgtaatggca acatcaccaa ccatggtaag 240
 agtaaagaaa gt 252

<210> 36976
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946334H1

<400> 36976

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 acatgcattg gtactatttg caatacaagc tcctctcttg ggaagaaatt agtttaagcc 120
 ttagctagaa aaagggagtg agtttagtgag ttgagaggca gaagaaaaga agaagaaagg 180
 tggagtgagt gagtgaatag aaaaaaaaaa cccaccatgg ggaggcctcc ttgctgtgac 240
 aaagttggca tcaag 255

<210> 36977
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946335H1

<400> 36977

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 gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc tgaatcagt 120
 aacgaggggc acccgacaag ctctgtgacc agatctccga tgctgtgctc gatgcatgct 180
 tggagcagga ccctgacagc aaggttgctt gtgaaacctg caccaagacc aacatgggtga 240
 tggtttttcgg ag 252

<210> 36978
 <211> 252
 <212> DNA

<213> Glycine max

<223> Clone ID: 700946336H1

<400> 36978

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 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagcat gaggagaccg tcaccaagca ggctcctcc ggaagcccat ggtacggccc 180
 agaccgcgtc aagtacttgg gccattctc tggcgagccc ccgtcctacc tactggcga 240
 gttcccaggt ga 252

<210> 36979

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700946337H1

<400> 36979

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 gagttcaaaa ccctagtcag ctccaatgat ctccactccc ttaaccacat gcaacacacc 120
 atattgggaa gggtcaggac agcaatgcgg tgttgctgca tttcaatgac ttctctcagc 180
 actgcttcgc tgagatttcc ggcgacatcg ctagaaacac gcgtgttttg aagtctgtca 240
 agtctgacct tga 253

<210> 36980

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700946338H1

<400> 36980

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 cctgcgctac tgggagatgt ttcttggtac ctgtcacatt ggtctccaaa ggacatgatg 180
 tctactcagg tgaattgaag atcaatcttg tggatctgaa ggggggtggc ttgttcagcc 240

caagagactc tgcgccat

258

<210> 36981
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946339H1

<400> 36981

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 cgggatcagc tctgctcaat agcttccttc tggatcgcaa cttggtcttc gattacttcg 180
 cactctcccc tttctacgac tggacctgca acaacgagca gctccgcatg cgctccgttc 240
 accccctcga 250

<210> 36982
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946344H1

<400> 36982

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 ctttgctatc tacacatgac tgttcaccac tcattgtcca tagagatgtt aaatccaaca 180
 acatccttct tgattccaat tttgaagcac atgttgctga ttttgggctc gctaaattcc 240
 tgcaagattc tg 252

<210> 36983
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946346H1

<400> 36983

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tttgtttttt ctgcgatcat tttccattgg gtggaagaaa gtctcaacct ttagtcgaaa 120
 gagcaaggat ctgaggagtg agcgatcatg tgtgggtgtg cgattatctc cgacttcatt 180
 ccagcgggtc ccgccggcgg ggcgcacgcg tgaccgccga catcctgtgg ccgaatttga 240
 ggaagcgggtt ct 252

<210> 36984
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946347H1

<400> 36984

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 gagagcatca tggtgacaca aagctggaga gtacatggt gagcacaagc cagagcacia 180
 agaggggttc ctagacaaag tcaaggacaa gatccatggt gagggcgggc cgccgagggc 240
 gagaagaaga aga 253

<210> 36985
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946348H1

<400> 36985

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 taagcgacct cctgatgctt ctaaggatat gctcttaaat gcatccatca ggaaagaggt 180
 gtgtccaatg tttagtgcac cgctaataca gaagattcta gacaattttg tcccggatga 240
 gttttgccct gatccaattc c 261

<210> 36986
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946311H1

<400> 36986

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atccccactc cccgatattc ccatccccac acatctccca ttgtactctt actgcttcca 120
aaacttgta aagttccatg acgtccatgc ctcatcgacg ggcacaccgg cgagaccctc 180
acctacgccg acgtcgacct cgctgctcgc cgcacgcctt ccggcctcca caaaatcggc 240
atccgccagg gtgacgtcat 260

<210> 36987

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946274H1

<400> 36987

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agatgaatat gaacgaagat agtggatgaag gaagcgcgag gagggtccaa gtgcgcttcg 120
tgacgacgtt aggcgagccg tacaaagttc cgaccactgc catcgccatc cccgccgacc 180
tcaactgatt aggcctctcc tcaactcgta acgcactcct tcaatccaac gacgctgac 240
atcagccggc gccgtttgat tttt 264

<210> 36988

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946275H1

<400> 36988

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gaagatgatt ttggtatgcc ctccctctgg ccattgcaat ctggaactcc agcagtcccc 120
ggattccaat tattcagttc tgaagtggag gatgatgtgt cagacgcatt gattgatttg 180
catcatggca atattaattg ctctcgtca ctgaatgggt atacgttggc tccagatact 240
ttgggatctg gcactctcat a 261

<210> 36989
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946276H1

<400> 36989

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 gtattaaaaa atccagaggc tgccatgact aataaatttc cttcagttgt atttagtgca 120
 gcatctccac ttccaactcc acctgtctct cggagtttct ctataccttc tagtggtcag 180
 agagttgtgg cattaaatgt ctctaatact aagtatttgg atactcccca agtttcaaag 240
 gttgataaag ccgtgtcacc tc 262

<210> 36990
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946277H1

<400> 36990

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 ggatgatgat gatgatgatg atgaggatga tgaccatgcc gaaggactag aaggtgatgc 120
 atctggtagg tcgaagcaga ccagaagtga aaagaagagt cgcaaggcaa tgcttaaaact 180
 tggaatgaaa cctgtcacag gtgtcagccg agtgacagtc aagaagagca agaataatcct 240
 gttcgttatc tcaaaaccag 260

<210> 36991
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946278H1

<400> 36991

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 cgttgcaaca cccgtcactc caaagccgcy tgctggtgta gagcgaaacg gcgccgtttt 120

gagcaagtgg gttttattgc tgtgcctcct cagctcgatt agatcaactc acctgggtgc 180
 tgcgtgtgaa gaaaagaaaa gagagaaaaa ccgaaacaga aacataaaaa gtagctgcca 240
 atttcacgtt ctcattcttc ca 262

<210> 36992
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946279H1
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 gcaataataa caagagtatc agcagggtgg agtagtagcg acgtgttaga ggcatgact 180
 catgagagat tagtgtattg caaggctcatg gtcataataag tttgactaga tcttgggtta 240
 tattaatgtt agtatcttttc ag 262

<210> 36993
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946281H1
 <400> 36993

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 tccccctgga acaggtaaga caatgcttgc aaaggcagtt gctaccgaag ctggtgcaca 180
 tttcatcaac atttccatgt caagtatcac atctaagggtg tttggtgagg gtgaaaaata 240
 cgtgaaagct gttttttccc tggcaa 266

<210> 36994
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946282H1

<400> 36994
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 attgttggtg atgatgtcac gcgccgccgt gttattacac gcgcaggagg aggaggagga 120
 ggagtgtagt acttcgacgt cgtcgtcgat cgggaggaac agcgacgtgt cgtcggagag 180
 atcaatggag gaaggagaaa acgaggtgga aagtgcctac catggacctt tgcattgccat 240
 ggaaactttg gaagaggttc tt 262

<210> 36995
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946283H1

<400> 36995
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 gtcttgctca tagatttgag tacagaagat cgctggttag tagttagtta gtcgtgctg 120
 tattagcggg atttatgtgg ttgatatttt gctatgatta ttactgaatt catcaaataa 180
 cagtgacttc tcaattgtgt caactcaaat aactcagtc ttcccattag gtgggattgg 240
 ttaaatgctc agatcgacaa tt 262

<210> 36996
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946284H1

<400> 36996
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 acagagatga atcatctcct tatgctgcta tgcttgacgc tcaggatgtt gctgccagat 120
 gcaaggaaact gggcataact gctcttcata tcaagctccg tgctactggt ggtaactaga 180
 ccaaaacacc tggctcctggg gctcaatcag ctcttcgagc ccttgctcgt tcaggcatga 240
 aaattggtcg tatagaggat gtt 263

<210> 36997

<211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946285H1

<400> 36997

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 aaatgttgca gacgatggga cttcctgaag atgtccaagt tatagcttgg ggtctttccc 180
 ttgaaaggcc aacgatgata ctatacggga tagataacat cagagatctc tttggacaca 240
 aggtggatct tgggcttata aaga 264

<210> 36998
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946286H1

<400> 36998

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 gcttgcgat ttgcatgac attgtgacgc taagattatt caccgtgatg tcaaagcagc 120
 aaatatattg ttggacgagg aatttgcagc agttgttga gattttgggt tagctaaact 180
 tatggattat aaaggctact atgtcactac tactgtacgt ggaacaattt gacatatcgc 240
 accagagtac ctctcaac 258

<210> 36999
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946290H1

<400> 36999

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 gttgggtcaa acttgggtatc ttgggtgtcc agaaagctga aagtgggtctc tcgatccagt 120
 acagaggcag aatacagaag tttggctgct gtcacagctg atattctatg gattcagact 180

cttcaggaac ttgcagttcc tcataacaca ccgcttgtgc tctgtgataa ttccagtgc 240
gttcaattag cacataatct 260

<210> 37000
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700946291H1

<400> 37000

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atcctttttt tgccttcac catagaactc ttcattggca ttgcttcagc agcacaagaa 120
ccagtgcctg acacctcagg ccagaagctg agaacaggtg tcaagtacta cattctacca 180
gtcttcagag gcagaggtgg aggcctaaca gtttcaagca gtggcaacaa cacatgcccc 240
ctctttgtgg tgcaagagaa 260

<210> 37001
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700946294H1

<400> 37001

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tcaccggagc cagcggcgcc atcgatcat ggggtgtcct actcctccac cagcgtgggtt 120
acaccgtcca tgccaccgtc caagatatca aggatgaaaa tgagacgaaa catttgagg 180
aaatggaagg agcaaagagt catctccatt tttttgaaat ggatcttctt gacatcgact 240
ccattgccgc tgccataaag g 261

<210> 37002
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700946295H1

<400> 37002

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 cccaacccca gagagaaaat gtctctaata ccaaatttct tcggtggcag aaggagcaac 120
 gttttcgatc ctttttcctt cgacgtcttg gacccttca aggattttcc tttcccaaac 180
 actctttctt cagcttcctt tctgaattt tctcgggaaa attctgcatt cgtgagcact 240
 cgtgtggatt ggaaggagac 260

<210> 37003
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946296H1

<400> 37003

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 ggagaaaatt gacataggaa aggaccaagt cgacgaaagg gtaaggaaac agcgtggcaa 180
 tcccagtggc ggttgcaagt ttgaccact gatgaag 217

<210> 37004
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946301H1

<400> 37004

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 ttctgtttca agaacttgag tgtgaatcct gtggttcacg agattgatca tgaccctgaa 120
 ggcagagaaa tggagaaagc tctttgaggc aaggctgcac tgctccagtt ccagctgtat 180
 tcataggagg gaagctaag ggatccacca atgaaatcat gtccctccac ctaagtgggt 240
 cactcactca gatgctgaaa cct 263

<210> 37005
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946304H1

<400> 37005

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 cgtgtctgaa tagttctctg atcacgggaa cgtgtcgggtg gcggcggagt ttccagataa 180
 caactcagct tcaaaaatca gttctttgat gaaggaaagt tccagcaata gctcaagtat 240
 gagtgtttat ccagctg 257

<210> 37006

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700946306H1

<400> 37006

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 ttggctgtgg gggttgctagc tttggaggat atcttatttc ctctaattgtg atagcaatgt 120
 cattggcacc aaatgatgtc atcaaaaatca aatccagttt gccttagaga ggggaattcc 180
 agcatatctt ggtgtcttgg ggacccaaag actcccttat ccaagtagat cattcgaact 240
 tgctcattgc tctcgct 257

<210> 37007

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700946307H1

<400> 37007

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 aattgggttg attgaggaag gtttcaaggt tgagcagaag agaaccaagc gccaaagagt 120
 tggcggttcg cacggttaga caatgcgggtt ttctccatga ggactatttt tattggacat 180
 ggtcctcgat ttgctagagg gaggaagata ccgtcgtttg agaattgtga gatttataat 240
 ttgattactt ctattct 257

<210> 37008
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946308H1

<400> 37008

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 ggtacaattg ggcgatttat ttctaccccg atgggaagag cgtggaggac aatgcaacct 120
 acgtgtcgct cttcatcggc tggccagcga aggcaccgat gttagggcac ttttcgagtt 180
 gacccttttg gatcagagtg ggaaggagag gcacaagggtg catagccatt tcgagaggac 240
 tcttgaaagc gggcctt 257

<210> 37009
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946309H1

<400> 37009

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 gcagagcagg agtgaaggag aaaaggaccc ttgtccgtcc agtccttatt ctcttttctc 120
 ctccctccct cacgcaaccg caattcctga accctaagct agcgccatgg ctgtcgtttc 180
 gcgaagtgcg acgacctata cgcgccacta cttaatacga cagagtttg ataggaaaac 240
 gaaaacctgc gttgcc 256

<210> 37010
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946310H1

<400> 37010

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 tcgttcccct tcaaccactc tcacgccacc cacaccacc accgcaggac gacgacgacg 120

acgaacgacc caccgtttac ctccgccggg aaactccttc agcaaccgc caccctccgtt 180
 ctacggcgtc cctcaaccac caccctctca gccggagacc cacgtgttcc attccgctca 240
 cgtgacacca ggacacgtg 259

<210> 37011
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946273H1
 <400> 37011

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 gcgctgacaa gactagctgc accaagggaa acagctatgg tggtattgta gagactgaga 120
 agagttacat cgagactggt gtcattgatg ttccagcagc tgagcatgat gggaagtgca 180
 agtgtggcac taactgcact tgcacggact gcacctgtgg ccattaagga atatgtatga 240
 aaatgtaatt gccatgtggt tgg 263

<210> 37012
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946243H1
 <400> 37012

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 cagcgacgag atgaatgttc tggcgcaaaa gttgctggct ttgattacgg agagtcttgg 120
 gctgcgagct tcgtgcattg aagatgctgt tggggagttt tatcagaaca ttacgattag 180
 ttattaccct ccgtgccccg aaccggatct tactctcggg ttgcaatcgc attctgatat 240
 gggagcaatc acgcttctga ttca 264

<210> 37013
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946244H1

<400> 37013

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tctgccacta caatgttcac agcatagaca atgaacttga ggaccctcg catctgtgag 120
gagtagtaca aaccgccctt gttctatgct cttcagtgtg cgtaatgata agcttctttg 180
ggttcctcct atttggcgaa ggaactcttg atgatgtgct ggccaatttc gataccaatc 240
ttggaattcc ttctcggttct gtg 263

<210> 37014

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946245H1

<400> 37014

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cgaggatctt aggcggaaac ggcgtcggtt accgatccgt tgcttctctt cttcgctctc 120
gctccggcat gggcctcccc gtcggcaaac actatgttcc cgacaaaccc cttcccatga 180
atgaggaact cctgtgggac aacggcactg catttccga accgtgtata gatcgtattg 240
ctgacactgt cggaagtat gaa 263

<210> 37015

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700946247H1

<400> 37015

gagaatagcc aatcattggt taaggaggcc atccatgtta taagctgtgg ctatgaagag 60
aagactgaat ggggcaaaga gattgggttg atttacggct cggtcacaga agatattttg 120
actggattca agatgcactg cagagggttg aaatcagtat attgcatgcc aaagcgacca 180
gcattcaagg gatctgcccc aataaatcta tcagatagat tgcaccaagt tctgaggtgg 240
gctcttggtt ctgttgaaat ttttctta 268

<210> 37016

<211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946248H1

<400> 37016

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 gtgatggtct tcctcgtatg gaagaggatt tccgtctgag gcttggagtt ggcaaaaaga 120
 attaaactgt ttttcgctcc tttggtgaca tgttaaagta gaataataag tgagatgggt 180
 ctggcccgtt ttcaaaattt tcgtcattat agttattgtt acgattatga tactgagaaa 240
 gttggggggc ctgaaatttg gcac 265

<210> 37017
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946250H1

<400> 37017

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 gaaactaccg ttccagatcc caccacaaatc gacgtcaaac tcttcaatcg ctggagactt 120
 cgaggatgtt gaggttaatg atatgtctct ggctgattac attggagtgt ccccatcaaa 180
 gcatgctaca tatgttcctc aactgctgg taggtactca gtgaagaggt tcaggaaagc 240
 gcagtgcccc attgttgaga ggctcac 267

<210> 37018
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946251H1

<400> 37018

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 cacatcagtt tgggctatga cagccctagt aaaaaacccct agagtaatga agaaagttca 120
 agaagaagtt agaaatgtgg ggggaacaaa agattttctta gatgaagatg atattcaaaa 180

acttccttat ttcaaggcaa tgataaaaga gacgttgaga ttgcacctac caggtccact 240

acttgtagca agagaatcaa ctgaagag 268

<210> 37019
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<212> DNA
<213> Glycine max

<223> Clone ID: 700946252H1

<400> 37019

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tgagtatcaa caaatggcaa ccactgtgat gaccactctc cccaattca gtggtcttag 120

acccaattc tcagctgccc ctgtgaagaa cttggttgct gtgcaacca tgagtcgcaa 180

ggggaagggt gcattgggag ctgatgtga ctacattggt tcatccacta atctgattat 240

ggtggcttct acaacctga tgctg 265

<210> 37020
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700946253H1

<400> 37020

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gtctatctga taaagctcct gcaggcatatc agggagccag gcatgctcaa attggaatat 120

ctctgccaga tctccacctt aacaataagc tgcagttggg gttgcttccg actaacgtcc 180

accagcttaa tttgcacact gggatttgta attgcaacat caccaaccat tgtaagagta 240

aaggctgtct atcatgcttg ctgacc 266

<210> 37021
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700946254H1

<400> 37021

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 gaaaagccca agtctcttga tcatacacct gtggctgagg gaaacgacac ctttgaaact 120
 gataacacaa tgcataatgga acctgaagaa aacacaacaa aagaagaaaa taaagtgggt 180
 aaggaagaag atggtgagca tacagagtca gcggatggaa cagttgcaca gaacttggat 240
 catggaaagg aagaaaacca tttactg 267

<210> 37022
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946256H1

<400> 37022

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 tctgcactca cttctagggt ttcctccgcg ctatcagcaa tcatggccga cgaaacacca 120
 aatgagatga aggaggaggt tccagaaatt gttccttttg atcctaccaa gaagaagaag 180
 aagaagaaga ttacaattgt agatcctgct gatgaccctg tggagaaatt ggctgagaag 240
 acagaaaacc tctcagtttc tgaggg 266

<210> 37023
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946257H1

<400> 37023

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 tgattgcaac aagaagaagg cttttccact tttcttcagt gttccgttct ctctttctta 120
 gggtttacga gcttcgataa aagttgaaca aaccagaga aacggaacag aacaccattg 180
 attctgtttc ttctgggttt gaaaaaaaat gaagaggggt agtagtacta gtagtaaagt 240
 agagccattt gtgctaccca acagg 265

<210> 37024
 <211> 263
 <212> DNA

002220"ETFE560

<213> Glycine max

<223> Clone ID: 700946258H1

<400> 37024

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acatatacag ctggtggact tcagatttgg aaaacagctt tcaggtgaga gaacattcac 120
aatttgtggg atggcagatt cactggctcc agagattgtt ttgggaaaag gccacggttt 180
ccctgctgac tgggtggcgt tgggagtttt aatatatttt atgttacgtg gtgagatgcc 240
atttggatca tggagagaaa atg 263

<210> 37025

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946259H1

<400> 37025

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gacatataca gctggtggac ttcagatata gaagacagct ttcaggtgag agaacattca 120
caatttgtgg gatggcagat tcaactggctc cagagattgt tttgggagaa cgccacggtt 180
tccctgctga ctggtgggcg ttcggagttt tgatatacat tatgttacgt cgtgagatgc 240
catttggatc atgtagagaa gat 263

<210> 37026

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700946260H1

<400> 37026

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attcaataag ttctgggatt gattctttta caaagagaat attgcctttt ttgctctgag 120
atztatccgt tcatttcttt tattcctttt cttttaatgg tgatgcttga atatcagagc 180
aagattctgg tgttattatg tttagattaa agagttgtga aggccctgtg cgctacttgt 240

atcagcaaac ttggcatca

259

<210> 37027
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700946261H1

<400> 37027

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ttaaacaat tgcaggaaga gctggtcgga gaggatgcct ttaccctgat ggactcgcca 120
caaccttgca tttagatgat ttggactact tgattgagtg tttgaaaca ccttttgatg 180
atgtaaaaaa ggtaggcctt tttccatctt atgagcaggt tgaattgttt tctgggcaac 240
ttccagattt gacattcacc ca 262

<210> 37028
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700946262H1

<400> 37028

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cgggaccacc caactcatca tctgaagtca agccatggct ataattgcac ctgagcggtc 120
acagcacgat gctcgtcaat atcattctac aatgtgtgac ggactgtcat ctgatggaca 180
ggactcgcgt cacatcctat gacgacgtct atgatcagtt ttga 224

<210> 37029
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 700946264H1

<400> 37029

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gaagagagag atgtcatcat cttcagacct ggacaggcaa atagagcagt tgaagaggtg 120

tgagcctctt gaggagtctg aagtgaaggt gctctgcctc aaagccatgg aaatcctcgt 180
 cgaagagagc aacgttcaga ggggtcaacgc t 211

<210> 37030
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946266H1

<400> 37030

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 agataatggt gttgggggttt gttttgtggc ccatgatata actgctcaga agaatgtcat 120
 ggacaaattht acgcgtattg aagggtgatta caaggcaatt gtacagaacc gcaatccatt 180
 aatccctcct atatttggca cagatgaatt tggctgggtgt tgtgagtgga atccagctat 240
 gacgaagtta actggatgga agcga 265

<210> 37031
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946267H1

<400> 37031

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 ccatggtgca cgtctccttt tacaggaact atggtaagac gtttaagaag ccccgccgctc 120
 cgtacgagaa ggagcgtcta gacgcggagc tgaagctggt gggggagtac gggctgcggt 180
 gcaagagggga gctgtggagg gtgcagtacg cgctcagccg catccgcaac aacgcgcgga 240
 atctccttac cctcgacgag aagaa 265

<210> 37032
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946268H1

<400> 37032

ctagtactag taaatcaagc actcaaaaat gtcctccaga aattcaaagt catcttagtg 60
 atgggactga tgacgatcta agaactcttc ctgctctaga tccaccaatt gaacaagatg 120
 attctaatac aatgtcagtg gcagttggta atgatttcgt tgaagatacc gtattgtaca 180
 gacttcagga tattatatca aagttagaca tcaaaataag actctgcac agagatagtt 240
 tgttccggtt ggcacaaagg c 261

<210> 37033
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946270H1

<400> 37033

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 aagaaaaaga aaaaggagag tagtgaaaca agaagaaagg agaagaagat ggtgtttgag 120
 gaaactgagc tgaggcttgg actgagacta ggactccctg gaaatggagc cgcgccaaca 180
 actgaagctg ctgcggaatt aggagtgagg aagagaggggt tctactgaaa ctgaaaccga 240
 tgaaacaacc tccgttgatt tgatg 265

<210> 37034
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946272H1

<400> 37034

ttcaaaaatt ttccggaaaa aatttgaatc tatttctata tgcgaatcaa tcctactact 60
 tctggtcctg aggttactgc gcttgcgaaa aaaaatctgg gacgtatcgc ccaaataatt 120
 ggtccggtac tagatgtagc ttttcccca ggtaagatgc ctaatattta caacgctctg 180
 atagttaagg gtcgagatac tgttgggtcaa caaattaatg tgccttgtga agtacagcaa 240
 ttattaggac atagtcgaat taga 264

<210> 37035
 <211> 266
 <212> DNA

<213> Glycine max

<223> Clone ID: 700946242H1

<400> 37035

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gcagccatgg caaccacaac cctctcttca aaccccaaac tctcattctt caacggaaag 120
cccgtcacat attcttcccg cgtcgcgccc accaccaaatt tctcctcatc caaacaaggc 180
acaattttcca tgtccctaac cccaccccccc tacgacctcc agtccttcaa attccagccc 240
atcaaagaat ccatcgtgtc acggga 266

<210> 37036

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700946214H1

<400> 37036

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actgggggtta aatgatgaag gttataagga tgatcagtag agtacctagc atcaagagtt 120
tgggcgattcg tacctgttat ggctacgagt gtgacgccta aaagagtata tttatccccg 180
catggtcctc caccgggcta gatggtagca aaatatcgac ggctccccaa tgatgagatc 240
cgacgttttg attccatca 259

<210> 37037

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700946215H1

<400> 37037

ctgggttgaa tgttcttggt gagacctact ttgctgacat ccctgctgag gcatacaaga 60
ccctcacatc tctgaatggc gtcactgcat atggatttga tttgggtccgt ggaaccaaca 120
ctcttgattt gatcaagggg ggatttccca gcggaaaata cctctttgct ggagtggttg 180
atggaaggaa catctgggcc aatgaccttg ctgcttctct cactaccttg cagggctctg 240

agggcattgt gggcaaagat aagct

265

<210> 37038
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700946216H1

<400> 37038

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tctcacctga aaatgtcttg ctgcggtggt aactgtggtt gcggaagctc ctgcaagtgc 120
ggcaacggct gcggaggctg caagatgtac ccagacttga gctacactga gtcaaccacc 180
accgagacct tggatcatggg agtggcacct gttaaggctc aatttgaggg tgctgaaatg 240
ggtgtgcccc ctgagaacga tggctg 266

<210> 37039
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 700946217H1

<400> 37039

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cttcaccgct atcaatg 77

<210> 37040
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700946218H1

<400> 37040

ctcggataac cgtagtaatt ctagagctaa tacgtgcaac aaaccccgac ttctggaagg 60
gatgcattta ttagataaaa ggtcaacaca ggctctgctt gttgctttga tgattcatga 120
taactcgtcg gatcgcacgg cctttgtgcc ggcgacgcat cattcaaatt tctgccttat 180
caactttcga tggtaggata gtggcctacc atgggtggtga cgggtgacgg agaattaggg 240

ttcgattccg gagagggagc ctgagaaa

268

<210> 37041
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700946219H1

<400> 37041

tgcatgttca tggcacccat gagagacatt ggctctgata atggagctcc acaaaagaag 60
attgtgtagt ccctcaaaag gaaggattgc atcaaacact ttgccagcgt cagagagaaa 120
gtcaaagtgg gtgtaaacgg ctatgagctt ggtggccaag cagagcaaac tatgcgcagt 180
ggtgaaaacc aactgagagt gaagttagag agcttggttg agagtgaggc aatattgaaa 240
aaaagtgttg aaggagtcct taagttcat 269

<210> 37042
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700946220H1

<400> 37042

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tcagcagccc agtcactcct ttgaatgatg acccttttga caagtcctcc tcattacctt 120
cattgggaag cacttcttca gaggaagaga gagccatagc tgaaaaaggg ttctacttgc 180
atccctctcc catgtctact ccaagagact ttgagcctca gctcttgcc tttgtccctg 240
tgatttcacc tagagtttct gagtcaacta 270

<210> 37043
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700946221H1

<400> 37043

ggagtggcaa ggattgaatt cataatcagt tggagaacat atctaggact aactcattgt 60

<400> 37046

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 ggtacccttg accttttttt agatctcgaa ttctcatttt ctgttgacac aagtaaata 120
 gtaatctatc aaaagcttaa atatacaggc atgtgcacta aagtggctag tgttgcttgt 180
 gattgagaag atataactag gaccgttata tgttatctag gattctaggt taagtgaacc 240
 tgccttccat tttccgtgat tttctc 266

<210> 37047

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700946225H1

<400> 37047

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 ccctcctccg tcgagccctc tccgattcga atcgttccca gcctcgcacc accatgaatc 120
 ccgaatacga ttatttggtc aagcttttgc tgattggaga ttctgggtgta ggcaagtcac 180
 gtcttctcct gaggtttgct gatgattcat accttgacag ctatatcagt accattggag 240
 tggactttaa aatccgcact gtggagc 267

<210> 37048

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946227H1

<400> 37048

gaacgtgtac tacaacgaag cttcctgcgg gcggtttgtc ccacgcgcag tgctgatgga 60
 cctggagccc ggaaccatgg acagcgtgcg gactgggccc tacgggcaga tattccggcc 120
 cgacaacttc gtgttcgggc agtccggcgc gggcaacaac tgggccaagg ggcactacac 180
 ggagggcgcc gagctcatcg actccgtcct tgacgtcgtg cgcaaggagg ccgagaactg 240
 cgactgcctc caggggttcc agg 263

<210> 37049

<211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946228H1

<400> 37049

gtcccaaaga gttaacaaga gattcaagac cggcatggct aatgaagagg aacagaaaaa 60
 ccacctcttc ggcatcaaag atctcgggtca caagactctc cttcagagtg atgcactcta 120
 tcagtatata cttgaaacca gtgtctatcc aagagagcac gagtgttga aagagatacg 180
 caagatgact gcaaaacacc cactgaacat catggcaaca ccagcagacg aaggacaact 240
 tctgagcatg cttgttaagc tcacga 266

<210> 37050
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946231H1

<400> 37050

ctttttgcta gtacacagaa gtttgatacc ctagttgact acaatcctgt ttatgtgtca 60
 tctttccgga agcaagaact ccaggggtggg gcaaggctgc ttctaccaat tgggtgtcaat 120
 gacactgtaa ttccagtata tgatgatgaa ccctcaagta ttatagctta tgccttaatg 180
 tcaccagaat atcatttcca attaaatgat gaaggagaaa ggccaagaga aggaaatgag 240
 ttcacttcat catatcttcc tgactca 267

<210> 37051
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946232H1

<400> 37051

gtgacaaaagt gttcactgct ttgtgccaag ggaagatcat tgatccactt ttggaatgcc 60
 ttgggggagtg gaatggggca cctcttccaa tatgttagtt tttcttattt tctgttttct 120
 tgaagagtgg tttcttttct gtacacgtgt ttgtgttgat attaagcatt tggtttgtct 180

atataaggct gtggcaaata aatccacata caacaacttc ccagttttcc ttgatgtatg 240
ccatgcaagg aacttgtaat tcata 265

<210> 37052
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700946233H1

<400> 37052

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tcttctccat tataccaaca ctcttccacc ttgacactca gacaaccca ttttcttttc 120
atctctcca attccaagtc gtctgccttt ccattggttg catattgttc ctctgccctt 180
tcaccaatg aatcagacca aaccattctt ctaaacgaaa cctttcattc tcaagtcaca 240
acccccaaaa tccctccctt tgtatctcct gt 272

<210> 37053
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700946234H1

<400> 37053

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cagaaacctc aacaacaatg aaaggctaaa ggaacagcag catcagcatc tccattgttg 120
tggtggtggt ctccatattc ctctttgggg tcttcatgta caacgaggac gttaagtcaa 180
tggccgagtt cactttcttg aggcctaagg ctcaagaaat ccaagaagaa acggtttcca 240
acaacaattc aagatctcaa ccagagagaa a 271

<210> 37054
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700946235H1

<400> 37054

acagagtcct gatattgctc aaggtgtgca cggccacctc acaaagaggc ctgaggagat 60
 tgggtgctggt gaccaaggctc atatgttcgg ctatgccact gacgagactc ccgagctcat 120
 gcccttgagc catgtccttg ccacgaagct cggtgccaag ctcaccgagg ttcggaagaa 180
 cgggacatgc ccttggtgta gacctgatgg caagacccaa gtcactgttg agtactacaa 240
 tgacaagggt gccatggttc caatccg 267

<210> 37055
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946237H1

<400> 37055
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 gaaccatcca atgctgtaaa ttactccctt ggtactgtat ctgggccccca ggatacaggg 120
 ataactccag agaaccgaac atgcaatcct aagagatgta gatttttttg ctgtacgaaa 180
 ggagctcgag gtgcttcggg gctttgtatc gggcatggtg gtagacagag atgtcagaaa 240
 cctggatgct acaaagggtgc tgagag 266

<210> 37056
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946238H1

<400> 37056
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 acaggaggaa ctgacagctg tttctcagaa gagggacaag gcttttgaga gcatgcagca 120
 gctaagaaaa cagcgcgagg aggggaacac ctatttctac caaagtcgta cagttctgaa 180
 caaagcacgg gagctggctg caaagaaaga tattaatgct cttgatgaag tttcacagac 240
 agagggtgag aaatttatgg cactctgga 269

<210> 37057
 <211> 268
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700946239H1

<400> 37057

cttcctgaac cgaatctaatt tggagagagg cttcagtctg ccaccaacag aaatagttat 60
cgtcaagtcc aactccaca ttgtatcaga tccatggatc atcgtcattg gcgcttcttc 120
attatgcttt tcattaccgc agcagcaata ggacttgctt cgtcgtagg gataaactac 180
ggccaaatag cgaacaatct tccttcacaa gacgacgccg ntgcgttggt gaaatccatc 240
ggagcgacga aggtgaagct ctacgacg 268

<210> 37058

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946240H1

<400> 37058

gaggtggtgt ccattgcagt tttctaataa aaacaacaaa atagacacct gttaagaagg 60
aggacaacga tgggtgtgcc gctatttact gctttcatc tctttgcttt tattccgaat 120
ggattgttag cagttccttc caccgtcccg gcattccttt ggcatcaca ttatgaactg 180
gcctctgaaa atatattgaa ggaatctgta aattaccaag tcatttctcc gaagatctag 240
caaatctat tttatctgaa gcag 264

<210> 37059

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946241H1

<400> 37059

aagatgtcaa agaaacatta ctttaaggaga ttccctccgc taaagttgat gccatggagt 60
tagatctcag ttcatggag tctgtcaaga aatttgcac agagttaag tcctctggtc 120
ttccattgaa tatgttgata aacaatgcag gaattatggc atgtcctttc aagctctcta 180
aagacaaaat tgaactacag tttgccacaa atcacttagg tcattttctc ttgaccaatc 240

ttttgttgga cactatgaag aaa

263

<210> 37060
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700946213H1

<400> 37060

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gctccaatcc tcacacaatg gcgatggctt tcaaaatggc gactactggg atgtgggtta 120
cggatgagtg caagaactca tccatggaaa tgaagtggaa gaaggtgccc agatacatag 180
tcttcaagat cgctgagaag tcaaggcttg tcaccgttaa aaaggctcggg ggccccggcg 240
aaaactatgg taatctcgct gccccct 267

<210> 37061
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700946177H1

<400> 37061

ggcggatgta gtgggcctgg accgtcgggt cgaagagtcc gatttcgaga aactcactta 60
tctcaaagtgt gccctcaaag agaccctccg cctccaccct ccgataccgc tcctcctcca 120
cgagacggcg gaggacgcca ccgtcggcgg ctacttcgtc cccaggaagg cgcgtgttat 180
gatcaacgcg tggggcattg ggagggacaa gaattccggg gaggaaccgc aaacttttaa 240
gccccgccg 249

<210> 37062
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700946178H1

<400> 37062

agcaaataca gaaaaaaga gtcaagcggc gagcaatggc gacatcgctg gtgcgatcgg 60

gttttcttcg aagcgcccta agaggaagcg ctctgtggctc ccagggtccg aagcgaaact 120
 ttgcttcctc tggatcatcac gatgatgcat atgagacggc caaatgggag aagattacat 180
 atctaggcat tgtagttgc actgggttag ccgtttataa tctatcaaag ggccaccac 240
 acttcaaaga a 251

<210> 37063
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946179H1

<400> 37063

ccttgtaga agtttatgtt gtgtttaaag tatatatatt tgctgggcat aactatgggg 60
 aggttctatg ttgcagtagc agagaccata ttatgtggca gtggatgggt tttcttgaat 120
 gcggcttttg agtcctatta tttattgagt cagtagttgt attggttaatt tatacagagt 180
 cggtatttga tttgagtga tacagtatcc agaaaccaat tttatgggtgt attcaaata 240
 aagaattagc gc 252

<210> 37064
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946180H1

<400> 37064

attggaggca gggaaacccc agagggccaa aaagctattc aaacattgaa ggatgtttat 60
 gctcaatggg tccccgaaga aagaatactg accacaatct ttggtcggca gaactgtcta 120
 agcttgctgc taatgccttc ttagcacaaa ggatttcac tgtcaatgcc atgtcagcac 180
 tttgtgaggc tactggggca aacgttcaac aggtgtccta ttctgtgg 228

<210> 37065
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946181H1

<400> 37065

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ctcctcaggt gtccacctct gttgttgagc cataaacagt gtccctctcca cccattctct 120
cttggagcac accgatgttg ctgtcctctt ggacaatgaa gccatttatg acatctgcag 180
acgctctctc gacattgagc gtccaccta caccaacctc aaccgccttg tttctcaggt 240
gatttcatct t 251

<210> 37066

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700946182H1

<400> 37066

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tgctcttctt ctacctttca agttttttaa gtattaagat ggcagagaca ttcctattta 120
cctcagagtc agtgaacgag ggacaccctg acaagctctg cgaccaaata tccgatgctg 180
tcctcgacgc ttgccttgaa caggaccag acagcaaggt tgcctgcgaa acatgcacca 240
agaccaa 247

<210> 37067

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700946183H1

<400> 37067

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gagatgtctc tgctctcaga tctcatcaac cttaacctct ccgataccac cgagaagggt 120
atcgagagtc acatatggat cgggtggatca ggaatggacc tgaggagcaa agaaaggact 180
ctcccaggac cagtttagca cccttcagag cttcccaagt ggaactatga tggttccagc 240
aca 243

<210> 37068
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946184H1

<400> 37068

cacacagtgt gcagcagcag cagcaacaac aagagaagaa gatggctctg caactatggg 60
 agacattgaa ggaggccata gttgcctaca cggggctctc cccgcacacc ttcttcaccc 120
 ttctggccct gatactagcc ctatactacg tcgtttcttg gctcttcccc tctttccgac 180
 caccgccaca acaccgcctc gcgcgacttg gagcaccaga tggagcctct gcgaccccc 240
 gttcagatcg g 251

<210> 37069
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946187H1

<400> 37069

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 gtgtctgtgt cgtacttctc caaataccgt ataccttcaa gaatccgccca cttccgccag 120
 gtcctagagg acttcccata ataggggaatc ttcatacaact agatagtccc tagcttcatg 180
 agcagctatg gca 193

<210> 37070
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946188H1

<400> 37070

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 ttgtttttgt tgctcttctt caaataccgt aaaaccttca agaatccaac acttccacca 120
 ggtcctagag gccttcccat aataggggaat catcatcaac tagatagtcc ttctcttcat 180
 gagcagctat ggcattctctc aaagaaatat ggtccattat gttcccttca atttggatta 240

aggccag

247

<210> 37071

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700946189H1

<400> 37071

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ccagacttga tagcttgcaa tcccttttgt caaggtccct gcaaaaactg agaaggagat 120

gaatcgctgc aaggacatgc ttttgaattt gaggacaaaa gttaaccaa tggtttcaac 180

attgaacatg tcaaactttg caaataggga tagtttgttt gggccagaaa taaaatcaga 240

tgc 243

<210> 37072

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700946190H1

<400> 37072

gagaatcgta acaaaagcgg taaccggaat aagttgtctc tacgatttga gccatggcaa 60

caacaacacc ctcaaaccga tcatcagagg cgttgtctc atggcaatcc tcagcactct 120

gctttgcacg gcggtggcgg cgaaggagag cgtgtacgag atactcccca agtacggcct 180

cccgagcggc ctgttaccgg acaccgtcac cgactacacg ctgcacgagg acgg 234

<210> 37073

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 700946194H1

<400> 37073

cccagaccaa tttaagagct cctttgactt tattgatggg catgttaaac cagtgggttg 60

aaggaaaatc aattgggtga aagctggact tatag 95

<210> 37074
<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 700946195H1

<400> 37074

ggaacttgca tgcaaataaa atagtggcgt tttacaagct agtgatatct agtcactact 60
gcgtatcgcc acaaggatgt gcatattgta tgaaaaaatt gcggagttat tatcattgat 120
taaaaag 127

<210> 37075
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 700946196H1

<400> 37075

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tatctaaatc aaatcttgta ttctttaaac atgaaaactg aacagcttgt aattgtttga 120
cagtttca 128

<210> 37076
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700946201H1

<400> 37076

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tctcttagac ggtatcctcc aactggtgcc tggacatcag ccgctccgcc gctctggcag 120
gatcgcatc accacctcct cggcgatctc ttaggaatcg tcgccgccgt cgctctcggt 180
cgattagtgc gaatctacat gagagtgccg gctgtatcga tggaccacgc agaacgtctt 240

<210> 37077
<211> 274

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700946202H1
 <400> 37077
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 tcttgtcagc acttatgcag cactgtgac cccctcagag gagattccca ttagagaagg 120
 gtgttctctc accatggtgg ccaactggga atgaagaatg gtggcctcaa attggtctac 180
 ctaaagatca aagcccacca ccttacaaga aaccacatga cctaaaggag gcatggaagg 240
 ttggtgttct cactgcggtc atcaagcata tgtc 274

<210> 37078
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946203H1
 <400> 37078
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 aagattgaag ctgttggttca aagcaagcca aagcgccctg aatcataccg atgaattgaa 120
 gtttttccat ggtggacaca tatatgcatt agatgggagg ctccgtcacc cccgtgcact 180
 tgagtgaaaa ttcttggtga aaattattgg tgtggttgat gtgatttctt gggacttctt 240
 ttctttgtca ttttttcttt ctggcactga t 271

<210> 37079
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946204H1
 <400> 37079
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 caattcaaaa ggttgctgct gcctatgact gtaaaattgt tgagggtgtt cttagccacc 120
 aatgaagca gtttggttatt gatgggaata aagttgtgct tagtttgtct aatccagaca 180
 caaggggtga cgaagcagag tttgaggaga acgaatttat gctattgata tagtaacaag 240

cactggggat ggcaagccta agctgttggg

270

<210> 37080

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700946205H1

<400> 37080

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gaaacaagtt ttggaagcaa tgtctcacag aatgcatgta gacaacagtg taaaactgat 120

tgggaagctt ttatttggca ttgaaaaggg tccagaagta ctcaacgctg ttagaccggc 180

tggatcggca cttgttgatg actggcactg cctgaaaacc atggtgagga cttttgagac 240

acattgtgga tccttgtctc aatacgggat g 271

<210> 37081

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700946206H1

<400> 37081

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cttcaactcc atcgccttcc agtgccttca gaagctccct gccaccaaca acaagttcac 120

ctacaattgc gacgcacaca ctttcaatta cctcgtcgac aatggctaca catattgtgt 180

tgttgcagat gaatcaattg gaagacagtt acccatggct tttctagagc gtgtcaaaga 240

tgaatttgtg tcaaaatatg gtggtggaaa g 271

<210> 37082

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700946207H1

<400> 37082

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aacaaccatt ggtcccaaag ggatgggttaa ggggtgataag gatgagagtg actacaagaa 120
 ggagctgaag gacaagaagt ttgggcaaga ggctcagaaa ctgtggatga ggatgaggag 180
 tgaggtcatt gctgagcttc aggagaaggg ctttgatgtg gaatgaatga gtgcaatgag 240
 tgctcaaaac tattggtggt agtaaatat 269

<210> 37083
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946209H1

<400> 37083

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 tgggtggtgta tcagctcacc tctttgctgt tatacaaggt ctgctaaagg ttctggctgg 180
 aattgacacc aatttctactg ttacatcaaa ggcaacagat gatgaagagt ttggagaatt 240
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<210> 37084
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946210H1

<400> 37084

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 aactcctctg cgcgaggacg ttcatggggc catcaaggat caccataatt caaagaaaag 120
 aaagataacg cccaaatgga tggatcgtgt aagagtgagc tgtgagagtg gtcttgaagg 180
 accacatgaa gatgggttaca actggagaaa atatgggtcag aaagacatcc ttggagccaa 240
 atatcccaga agttactata ggtgcac 267

<210> 37085
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946211H1

<400> 37085

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 aaaatgagta gcatcaatgg tggacaggag gttagaaagg actgcagagt gatcaattaa 120
 aaagtcttaa attaattcaa gttaaattga tgtttcaaac aagttagaag tatgaacttg 180
 ttggatcaaa tttcctagat ggcaagaata ttatgtcttt ttcctctatt aaagaaatat 240
 gtatatattat ctgaagttaa taaatatat 269

<210> 37086

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700946212H1

<400> 37086

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 gcagggatac tacgctgtgc agaggatggg ttctgatggc taccgtgaac agcaggcggc 120
 gtacggaggc atggctgcgc cgaaagcggg gttttcgacg gcgggggatgg ttaaggggcc 180
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<210> 37087

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700946176H1

<400> 37087

ctcactcact ctgcactcac cactgccaca cttcaatcgc actaatggct gtcaccttct 60
 cagatctaca caccgaagag ggcatcaaatt ccctcgatca attcctttct gggaaaacct 120
 atattttctgg ggatcagttg acaaaggatg atattaaagt gtatgcagct gttgtttgaa 180
 aagccagggg aaacttttcc taatgctgcc aagtggtagc atgctgtctc ttctaaatt 239

<210> 37088

<211> 100

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700946146H1

 <400> 37088

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 ggaggatgat ctggaagcca tcgaagcctc tctttccaat 100

 <210> 37089
 <211> 184
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946147H1

 <400> 37089

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 tacggaacct tctatcaagc ctgtgcaaga caagcaagaa tataaacacc ttgaagctcc 120
 gagcccttct aacaataatt cttcgttgga tactaatgaa atcgaacagt cacacataaa 180
 caat 184

 <210> 37090
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946148H1

 <400> 37090

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 ttgatcatta tcagatcctg aaataccccc tcaccactga gtctgccatg aagaagattg 120
 aggacaacaa cactttgggtt ttcattgtcg acctgcgtgc cgacaagaag aagatcaagg 180
 atgcggtgaa gaaaatgtat gacatccagg ccaaaaaagt gaacaccttg atcaggcctg 240
 atggcaccaa gaaggcata 259

 <210> 37091
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946149H1

<400> 37091

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 tgaccaaatt cacttgcata cctgaaacac caagagacta ggatgtcttt gcctttcata 120
 tataggcttt accaatttgt tctccatgta ttttcggtgc tggctaaatg gatgtctatg 180
 ccttccgtga tagagccaaa gtagtgtagt tttctttagt ccttactttt ccctgcctt 240
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<210> 37092

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700946150H1

<400> 37092

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 attgcaatag gcaaacgcat gcaggactat gggcatcgtg ttagattagc aaccattca 120
 aattttaagg agtttgtttt gacagctggg ttggagtttt atccattagg aggtgatcca 180
 aaagtctctg ctggttatat ggttaaaaat aagggtctgc tgccatcggg acctt 235

<210> 37093

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946151H1

<400> 37093

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 agatccaagg gctacggttt cggtataggt gactttccgg gatcccgagg ccgcaaggaa 180
 gagcgtgtgc tgatccatct cctgttattg atggcagaag ggccaattgt aatttggctt 240
 cacttggtcg ac 252

<210> 37094
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700946152H1

<400> 37094

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ctctagcggt gcatctgcac gcaactgcaa gtctaaggta ctgtagggtc agccccctact 120
tctagatgct cggatcgtgc agagaaacgg atggagtttt atctgaagtt agaggagaaa 180
catcgagctc ttgatagaag aaaaacacca ctatgaggca acgaataagg aagaggaaga 240
tgcagccat 249

<210> 37095
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700946155H1

<400> 37095

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atgatgaact acttttgagg ctgccacggc cttgtgatat cttggtgcta attgcatctc 120
cggcagaagg agaggacaac caccctttgt tggagttatt atcaagtaga gatgaagtgg 180
tgcaaattgc tggctatgga gaggagaagc tttccacagt cctcattaca ggctcagtta 240
cttgtgaggc 250

<210> 37096
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700946156H1

<400> 37096

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gctactgtga gagtgggtggg ggaatagtat attattcaaa cagtgggtggg gaatcgtgat 120
atccgttttt ttttgtggta gaaatgtaaa tagaacactt tggcatgtat aagtcaaaga 180

cgcgtagtag aaccaaggaa aaaccgttac aaggctcttg tcgggggtgt caattttttt 240

tcccttagaa aaa 253

<210> 37097

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946157H1

<400> 37097

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aactcgacaa tggccaacag caacctccct cgaagaatat caaggaaacg cagcgtttgc 120

tcagtgagcc agcacctggt attagtgcct cccctctgg agagaatatg cgatatttca 180

atgtgatgat ccttgggcat acccagtcgc cttatgaagg aggcgttttc aagttagaac 240

tatttttgcc ag 252

<210> 37098

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700946158H1

<400> 37098

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ctaaattgtc tgggtggtgtg gctgtgatac aggttggcgc acaaactgag acagagctca 120

aggaaaagaa attgagagtt gaagacgctc ttaatgctac aaaggcagct gtagaggaag 180

gtattgttgt tgggtggtggt tgcactcttc tgagacttgc atcaaagggtg gatgcaatca 240

aggatagc 248

<210> 37099

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700946159H1

<400> 37099

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 ctcacctgaa aatgtcttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120
 gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
 ccgagacctt ggtcatggga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240
 gtgtgccccg tg 252

<210> 37100
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946160H1

<400> 37100

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 gaacgagtcg agcatgaagg gataccctca tccttcgatc agcagcaaag gggcttttca 120
 atggaccatc aacaagatcg ttcgcaacaa cgtctctgcc ttcaaccttc tttttcttca 180
 cgttcaagtc cccgatgaag atggttttta tgacatgggt agtatct 227

<210> 37101
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946161H1

<400> 37101

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 cctggatgac attgcctgac ttggtgtctt ggtaccaga ttgctggtag tttgtcactg 180
 cgtgtgcagc aacttgatgt tcgatgtgag acgaaaacca aggacaatgt ctttgtcact 240
 gtggttgcac ctg 253

<210> 37102
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946162H1

<400> 37102

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 ctagtgtcga tagcatgcgg attatgataa gttcctcaag gggcactagc catctatggg 180
 ctataaatcc tcaaggagga ccagtagata ttctgtcatg tgacaatagt ttagcagtga 240
 ataatggtgg at 252

<210> 37103

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700946163H1

<400> 37103

atgttttttaa gataatccct ggatatgaga gagtgtcagc atctgatgct gacccttctt 60
 atgttcatct ctacaggctg caacgtggct 90

<210> 37104

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700946164H1

<400> 37104

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 tgtccgaaat gaccttggat ctgaacacag ccgccgatgc cgccgccgcc gccgaccaac 120
 agagatcagg tgttggtccc tcggcagcag cagatcagac tacgaggatg ttggcatcac 180
 ccaaaatcct cagaagacat tcttcgtatt tcggcgacgc gcgtcacttc cttcgtgcgt 240
 gttccctctg caaac 255

<210> 37105

<211> 187

<212> DNA

<213> Glycine max

<223> Clone ID: 700946165H1

<400> 37105

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 cccacaccaa ttaccaatgg cagtggagaa gacggagcag aactccgcaa cgagatcgat 120
 gaagctcttc gccaacagcg cgagatttcg gaaaggcttc gagatcctcg aggtcttcgc 180
 agaggtg 187

<210> 37106

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700946166H1

<400> 37106

tggtcatggt ggagccatta tagcagggtg attatagtct ccatcagaga tataggttta 60
 atgtggaaac tattgaatgt ccaattat 88

<210> 37107

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700946167H1

<400> 37107

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 aaaagatcga atattactgc agatgtttat ggtctctgtc acataagcct taaagacttt 120
 tcctccaag ttggaaatca agaggctggt tgtctattac ctagtttgcc ttcagatgct 180
 acatttgaca gtgtttctgg gatcagcttc ctctgtgac taaatgataa tattccagct 240
 ccttg 246

<210> 37108

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700946169H1

<400> 37108
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tgatTTTTgaa cttggtaatg tattgCGgtg gcttgaagat gtataacatg ccgcaacttc 120
ctgttgccgg ttgattgtct cttttgaggg gatggttctg ttccggctag atctagtttc 180
cattactgtt ctataaaact ggttctgttt gtttccgttt ttatgtaacc tgttgtttgt 240
agggaagaca 250

<210> 37109
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700946170H1

<400> 37109
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tgagaggaga agagtaacat gggaaaggct agaagctgct gctgctaatt gtgtcccagt 120
tcaatctact acttctgtag gtggagctgg agatgtttta gtcccaataa attctgctaa 180
atgctcagtg gaatgctaag ctaattaatt ggtttgagta atgatgtaag gttaagggtg 240
ttctaattac 250

<210> 37110
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700946171H1

<400> 37110
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aatggtacat tcttttgggt gaatctaagg tatttgtttc aatttaatta tttttcatta 180
gtattgatga attaaatatt ttttttataa aaatagaggt aatatttttc atgtgaaaat 240
caatgactaa 250

<210> 37111
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946172H1

<400> 37111

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 agttcaaggg tatgagcaag gaggaggaag actcattgct agggcaagtt gaaatatgga 120
 ggtacatgac atgcttcacg gactccgtgg ccttgaaatc cgtcatagag ctgcgcatag 180
 ccgacataat agaccgttat gggaaaccac tatccttgtc acaaatcgtg gagaacatag 240
 atgatg 246

<210> 37112
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946173H1

<400> 37112

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 caccagttat ctctgctgag aaggcctacc atgaacagct ctcagtggca gaaattacca 120
 acagtgcttt tgagccatcg tccatgatgg ccaagtgtga tctctgtcac ggaaaagtac 180
 atggcgtggt gcctgatgta ccgtgggtgat gttgtgcccc aagatgtaaa cgctgctg 238

<210> 37113
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946174H1

<400> 37113

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 aaccaaatac ttcatacaac tgtacttctc aagtaactgc aaacctgttg ctgaagggtca 120
 actagaagga cttcgggact tgaacaagca tgtcaagggtg acaacaacgg aggcaaagtt 180
 attgcctgat ggatctctca cacctcagag attgcttctt tatcgccatt cacgcttcac 240

tgttaa

246

<210> 37114

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700946175H1

<400> 37114

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catcaccacc atcctgactg agaaagaatt ctgagtactt tctgatctca ttgctcttaa 120

atccccatgc aatcttctca tatttggtt tcaacctcag taccttatcc tctcttccat 180

gaatgcagct ggtagcacca tctttctoga tgacgactcc catatgataa gcaaggtaa 240

aacaatctcc a 251

<210> 37115

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700946145H1

<400> 37115

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gcccggtgg cttggacttg gccatgaagc ttcactatct cagggtggtg tacttctttg 180

gctagtgagg ctgcacaaga cctaaccatc atgaaaatta aggaggccat gttcactttg 240

ctcaaccatt actt 254

<210> 37116

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700946112H1

<400> 37116

atttcttctg ttgtctgtat tgcagaatgc aacgtactt ttaaaacagt ggaaatgtaa 60

agcccaatta aaaagtttaa aattttaacc ttgtattgac agtattgtac gaatatttag 120
agaatgattg gtttggctct gt 142

<210> 37117
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700946113H1

<400> 37117

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aacccataag gatggcctcc atcctcgagc catccaagcc tagtttcttt ccagcgatga 120
caaagattgt tggcacactt ggcccāaagt cacgatcggt tgacgtgatt tcccaatgtc 180
ttgaggcagg aatgtctgtg gcaaggtttg attattcatg gggatgatcct gaataccacc 240
aagagacgtt ggaaaattta agg 263

<210> 37118
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700946114H1

<400> 37118

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ttgtgaagcc tgattcatac aaggctataa atgatgaggg aatgcccatg tatcagaggc 120
cattcatgaa ggggaaactt tacattcaat tcaactgtgga gtttccagat tctctaaacc 180
ctgatcaagt taaggccttg gaggctgttc tgccaccaa gccttcttca caattgacaa 240
acatggagct ggatgaatgt gagga 265

<210> 37119
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700946117H1

<400> 37119

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 ccgaaatgga cgctgacgga aagatcaaga agggcgccgg ctgaagatag ggcggcggcc 120
 caaagaagaa gccggtttca aggtccgtca aagccggtct ccaattcccc gtcggaagaa 180
 ttggcagtta tttgaagaaa ggaaggtacg ctcagcgtgt cggtagcggg gtcctccgtat 240
 acttggtgc agttctcgaa tacctagctg ccgg 274

<210> 37120
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946118H1

<400> 37120

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 gagcaccccc tcatcaaaca gatgtatcag gcacttctca tgatcatttt ctgccttcat 120
 caagtgcctg aatgttttat gcagtgcctg aaaattatgt acaccagcct tctaattcta 180
 attatgacag acaagcattt tctgctgctg atgggggttt tattgatctt acaatgggaa 240
 atggacgagg gcctcacaag cgaaagagcc ctgg 274

<210> 37121
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946119H1

<400> 37121

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 tctgctaact gcaatgggtg taaatggatt atacgattca aaaagggttg cactggccgt 180
 ttatgtggag gacctggtaa tgcaaatatg gtcactctgta acatttggtg tcatccttga 240
 taaaatgtat ggctatggca tg 262

<210> 37122
 <211> 261

<212> DNA
<213> Glycine max

<223> Clone ID: 700946120H1

<400> 37122

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aatgcgtgag atccttcaca tccagggtgg ccaatgcggc aaccagatcg gcgccaagtt 120
ctgggaggtg gtttgcgcgg acacggggtc gaccctaccg gaaggtacgg tggggactcg 180
gagttgcagc tcgagaggat caatgtctac tacaacgagg ccagttgcgg tcggttcgtg 240
ccgcgcgcgg ttcacatgga c 261

<210> 37123
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700946122H1

<400> 37123

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accagaatcc aatgacatct acctcagatt acttgtcaag ctttatcggt tccttggttcg 120
aaggactggc agcaatttca atgctgttat actcaagcgc ttgttcataa gcaagggttaa 180
caagcctcca atttctttgt caagggttaat gaagtataca aaggggaagg aggataaaat 240
tgctgtagta gtggggactg 260

<210> 37124
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700946123H1

<400> 37124

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cagatttttc caagactctt gagtgataga ctttgaatga aatcttggtt ttcattaacg 120
agattcaatt gaagtgaagt gattattcac tggaaaactt atttttcata gtattggagg 180
tacaactgaa gctgttagat ttgttttaac tacacgagtt cgttggatat ttgagcatgg 240

ctgggaatca agatcagttt g

261

<210> 37125

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946124H1

<400> 37125

aaaaaagcca aactatcttt ctctttccat ctctctctct ttctctctca ttgattacag 60

ccaccgtttt ctctttcttc caacttgctt tggttcctct cctcaactaa agcctattcc 120

cttcttctca cccatgtcca tttgtagcat gttttctctt gagcacttca aagttcaaatt 180

ctttcacaca cactcattca tctccaacct ccacaccac ttgggtcact tctagaagat 240

ctatctgcca acccttttgg c 261

<210> 37126

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700946125H1

<400> 37126

tttagagaga agaaaacggt ggtcggagaa cattaccgga aagagaatct ttgttgattc 60

cagaaatgtc tagcatcgct tcctcacacc aaagcttctt caccaacgcc cttattccac 120

taacgcacaa cccaaagtcc aggaccactg ttactttccc ttcttcactc aaaactgtct 180

cttgtagttc cccacaacat gaacagatac aatctccaag gaagaagaat gagaccagtt 240

agcaaaagtt ggcaatagtt 260

<210> 37127

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700946126H1

<400> 37127

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tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcagctgt ttggccaaac 120
 actcccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc 180
 gatgatcacc ctatgcaaat tgaagaaaca cagtaccgga aaaccatctt ctat 234

<210> 37128
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946127H1

<400> 37128

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 aacctcagag attattacat gcaaagctgc tatttgatgg ggagtaggag aacctgtgac 120
 tgtggaagag atacaagtag accctcccag agccaccgaa gttcgagtta agatgctttg 180
 tgcaagtata tgctccacag acatctctag cacaatagga ttcccacata ccaattgtcc 240
 tatagcactt ggacacgaa 259

<210> 37129
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946128H1

<400> 37129

ttaaaagagc ctttgctttt tctttaggcc tttccgaatt aagtacttgt ttcattttct 60
 ctcgaagcaa gaaaaatgtt catcgagagt ttcaagggtg agagtccata cgtgaagtac 120
 acagagactg agattcagtc cgtgtacaac tatgaaacca ctgaacttgt tcacgagaac 180
 aagaatggca cttatcagtg ggttgtcaag cccaaaactg tcagatatga atttaaaacc 240
 aacacccatg tcctt 255

<210> 37130
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946129H1

<400> 37130
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 tatctgctcg ccgtcctcgg tggcaacaac accccctcca ccgatgacat caaggaaatc 120
 ctcggtctccg ttggaataga ggcagatgaa gataggattg aatcggttctt gtctgaagtt 180
 aagggttaagg atatagttga gctaattgct gccggtaagg aaaagctggc ctcggtgcct 240
 tctggtggcg gtggtgc 257

<210> 37131
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946132H1

<400> 37131
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 tgattttattt tgctgattcc tttgctctta ggaggacca ttaaaaaaaaa gatttttcac 120
 cgtttcataa agatccagtg ctctcactt tattaataaa tctgtgtgtg attatatgat 180
 ttttcatgtt atgaagaaaa tatatttggc tgtttttgtg aatcccatat gtaaaacaat 240
 gaccttttgg tatctaggag ctctctgctt acatg 275

<210> 37132
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946135H1

<400> 37132
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 tacattttttg gttgaaggca aacgatttta tgctcataga atttgtcttc ttgcatcatc 120
 agattcattt cgtgcaatgt ttgatggtgg ttacaggagg aaggaggcaa gggacataga 180
 gattccaaat attagatggg aggtttttga gttgatgatg agatttgtat attgtggatc 240
 agttgatgtc actctgga 258

<210> 37133
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946136H1

<400> 37133

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 acctttcaag ttttaaaagt ataaagatgg cagagacatt cctatttacc tcagagtcgg 120
 tgaacgaggg acaccctgac aagctctgcg accaaatctc cgatgctgtc ctcgacgctt 180
 gcctcgagca ggaccagac agcaaagttg cctgcgaaac atgcaccaaa accaacttgg 240
 tcatggtctt cggagaaat 259

<210> 37134
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946137H1

<400> 37134

gtccagtcag aaatggtctt acaaggttgg actgaaaggt gaatcgttga gccttcacac 60
 tgaaagtggg agtagctctg ttgaatggat acgaggatca ttagtggcta aaaaacaacc 120
 tttgacatgg tacaagacaa cttttagcgc accggctggc aatgatccat tggctctaga 180
 tttgggaagc atgggaaagg gtgaagtatg ggtaaacggt cgcagcattg gtcgccattg 240
 gcctggatat atagca 256

<210> 37135
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946140H1

<400> 37135

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 tcacattttg tagagggcga tttcctagac tctgtcttgg gggcacaatt caattgtggc 120
 tccgatcaag ggcgtagtgg tgaaggagcc gaagtggatg gtggcggctg cggcgacaac 180

ggaggagaag cataatgaga atttgagcag cgaggggagt ttggaggacg atgattcgtg 240
gagagtcaga at 252

<210> 37136
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700946141H1

<400> 37136

cacctcattg ccataccccc tttcaagcag gagaaaatct ctogctccct ttctctttct 60
tctcttcacg ccgccatcac catgccttca ctctctctct cgaaactgac accaccaccc 120
ctaaacctat ttccaacaaa aagaaaccaa agaccctaac cctcactgat cccgacctcg 180
atgggggttc ggggaagaag acgaagaagc gcaaggcttc agatttatta gaaccagagg 240
ccatgccccg cgctta 256

<210> 37137
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700946142H1

<400> 37137

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ctgtgcttgg accgcatcag aaagcttgct gacaattgca cggactccaa gggtttttgg 120
tcttcaatgc cgttggtgga ggaactggtt ctggacttgg ttcccttctc ttggagcgtc 180
tctccgttga ttatggcaag aaatcaaagc ttggtttcac agtctacccc tctcctcagg 240
tgtccacctc tg 252

<210> 37138
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700946143H1

<400> 37138

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 ttccattttc ttcacgacaa actttcacia accttattaa gcatcacttt ctoccttccc 120
 ttccttcctt tgtttcccag ctttgattta gagaaagaga gcgaaagatg ttgcagtgc 180
 tattttcttct gtcagattcc ggagaggtaa tgctagagaa acagcttagt gggcaccgcg 240
 tagatcgctc cat 253

<210> 37139
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946110H1
 <400> 37139

ggcacacagt gcattcatca acttactttc acagatggtc cagatttcca aaatacattt 60
 ctctatagac tgtgtaagca gaagaccttg gaacatttta ggaatattat tctgctatct 120
 tccccccagg atgggttatgt gccttaccat tctgctagaa ttgaatcatg gcacgctgct 180
 tcacgtggac acttcaaaga agggtaaact gttcctaggg atgttgaatg actgtttgga 240
 gcacatccgt gccaaactcaa tgca 264

<210> 37140
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946144H1
 <400> 37140

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 cgttgaaggc ggctttggct gagttcatct caaccttcac ctcggtgttcg ccggctcagg 120
 ctccggcatc gctacaaca agctcaccga caacggcgct gccaccctg ccggcctcat 180
 ctccgcctcc atcgcccatg cattcgccct cttcgctgcc gtctccgtcg gcgccaacat 240
 ctccggcggc cagc 254

<210> 37141
 <211> 252

<212> DNA
 <213> Glycine max

<223> Clone ID: 700946074H1

<400> 37141

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 gtgacatttg ggctgttttt ggctcgcaag gtgtctttga tccgagccat catgtacatg 120
 gtggctcagt gcttgggtgc tatccgtgga gttggtttag ttaaggcttt ccaaaagtct 180
 tacttcaaca agtatggtgg tggggctaata tccctcgctg atgggtacag cacaggtact 240
 ggattgggtg ct 252

<210> 37142
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946075H1

<400> 37142

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 agataattcg ctttcccatg tatgctgaca ggatcagaat tgatagcaaa gcgaatcagc 120
 atgctaattg cgcaaggcga aggtgatttg gtgggtggtt agatcagatc agggactttt 180
 atgccttcaa tctttacatt ggtggtagtg ggtgacatca agtgaaaaca agatttcgtg 240
 tataccccga t 251

<210> 37143
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946076H1

<400> 37143

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 aggctactt ggttctggag gtggatttgt tttgggacct cttcttctag agattggtgt 120
 cattcctcag gttgctagtg ctacagcaac atttgtgatg atgttttcat catctctgtc 180
 agtggttgaa ttctaccttc tcaagagggt cccattcctt atgcattata cctcacctca 240

gtgtctg

247

<210> 37144
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946078H1

<400> 37144

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 tgcaccactc ttaagctgaa gcttctcaac ctcaacatag atgtcccact tgccttcag 120
 cttagtgtgg cttgtggcaa gtctctcct cctggttaca cctgctccct ctaaaccagt 180
 gaaaggattg aggaaaatat ggtcaaaatc gacatgagag gatgtcgagc cacactatct 240
 ctcttctgtc ctga 254

<210> 37145
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946079H1

<400> 37145

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 ggctagtggc actgctgcaa gtgcaactcc aagaagcgca gtgccaagcc accatgtttc 120
 aacattcaac agaagccttt ttccttcac tttctctttt ggacttggtt cttctgctta 180
 ccaggcagaa ggagcagcaa gtgtagatgg gagaggacca agcatatggg acacctacac 240
 tagacagcat actgaaa 257

<210> 37146
 <211> 103
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946080H1

<400> 37146

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gagtacatgg tgtcgcccac cctgatattg atcatatttg gcg 103

<210> 37147
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700946081H1

<400> 37147

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gaatgagccg ttacacaggat ccacaccctt cccgatcttt cttccctttt ggaaatcctt 120
ttcggatgat atcacctaaa ggctctcgca tgtctccaca acttcttgca gtgttgcaag 180
cttttgaggc aacattggca gagaggctga aaaatcttat gcctaaaagc acagatgaaa 240
tcctcacctt gtctt 255

<210> 37148
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700946082H1

<400> 37148

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tttctagcat cagtggatgt gaccaaattg gctgaagctc atgcaagtgt attcaaggca 120
atgaacaacg aggcttctgg tagatacatt tgctttgacc atgtaattga tacacatagt 180
gaggccgaga agctggccaa ggatattggg atgcctaagg caaagata 228

<210> 37149
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700946083H1

<400> 37149

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ctcttgccag ggataagctg atagatgact ctggagaacc cttttttgtt ctcaacagtg 120

atgttatcag tgagtatcca ctcaaagaaa tgattgaatt ccataaaaac catggaggag 180
 aaggttccat aatggtaacc aaggttgacg agccatcaaa gtacggcgtg gttgtga 237

<210> 37150
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946086H1

<400> 37150

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 tcaaggcttc tgctgatcag ttccataatg ttttatgcaa caggacacac catattgccca 120
 acattttccc tggaaaagta cagtctgttg aaattcataa aggtgaatgg ggcactgagg 180
 gatccgtcat ctcttgaat tatttacatg caggcaaagt ttgtg 225

<210> 37151
 <211> 112
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946087H1

<400> 37151

gcactttaga gcaaatgtt aggaaagaca tggcaagaag ggggacatgg atggaccttg 60
 gacttgacac agaaacaatt ggttttgaga tgggtgaggc cattcttgct ga 112

<210> 37152
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946088H1

<400> 37152

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 gtttgtggtg cttgtgagta ctattgcagg ggtggagagt gctggtgaat gtgggaaatc 120
 taccacccag ataatgaggc ttataagctt gcaccatgtg cctcagcagc acaagatgag 180
 aatgctagtg tttctcagag ttgctgtgct caagtgaaga aaattgg 227

<210> 37153
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946089H1

<400> 37153

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 ggctaccatc gttagcatca aggcccgcc gatcttcgac agtcgtggca atccaactgt 120
 cgaggtggat ttgacttgct ccgatggtag ttttgccaga gctgctgttc caagtgggtgc 180
 atccactggg atttatgagg cccttgaatt gagagatgga ggatctgact accttggaac 240
 aggtg 245

<210> 37154
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946090H1

<400> 37154

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 gaaatatcta tggtctgggc ctaaccttgt tccttgcat atcaatacca caatattttg 120
 tcatgaacac tgcaccgat ggtcctgggc ccattagaac aggtgggtgga tgggttaatg 180
 acattttgaa caccatattc tcttctgggc ccactgtggc tataattggt gggactcctg 240

<210> 37155
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946091H1

<400> 37155

ccttgtctcc ttgagctgca aaaaaaattt caccatattt tcatattcac atactttgtt 60
 gatgatcacc atgctagcta tgcttcttgt tggatgatct tcataaggcc ttttgttttg 120
 catgctgggtg atacagcatc ttccttctcc acttgcattg ccattttctt ctctttgtct 180

tattctcact tcactatggc catgctaaaa caata

215

<210> 37156
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700946092H1

<400> 37156

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agggtctaag catattactg aatctttgaa aagatgcggc atctctgaca gcacaacttg 120
tattccttgct gctcgatttg atgctagtcc tgatgagata aaagctatag ggaagctcat 180
taacggcaaa gagattgacc tggaggagct agaagggaga gcaaaccaat cccagatata 240
aaagattta 249

<210> 37157
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700946093H1

<400> 37157

gcagtggaga ggtccaacaa gcaattcccc ttttacagaa agcatatgga gatagcatgc 60
ataaagtttt gcatgttggt cctgatactt gttatgtggt ctctaaattg ctgaaggagg 120
atgaaactga cgcctgggga atagaaccat atgatataga ggatgctgat aataattgca 180
aagcacttat acgtagaggc agtgtgcgtg tgtctgatat caagtttcct cttccatata 240
ggccanaatc tt 252

<210> 37158
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700946094H1

<400> 37158

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 acctgtcaat gttgttgata taaggctgag gcaagcacia gagatcatag aagagctact 120
 caaacccatg gatgagtcac aggatctcca caaaaggcaa caactaagag aacttgctat 180
 gctgaattcc aattttagag aagatagccc tcaactcagt ggtagtcct ctaca 235

<210> 37159
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946096H1
 <400> 37159

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 cgtaaggata ggtatcttga tcgccgcaag agactgataa ttgccatgga tgctgctttt 120
 ggaatggata ttacactcg aaaaatattg tgcattttga cttgaaatgt gacaatttgc 180
 tcgtgaactt gaaggatcct atgcggccaa tatgcaaggt cggtagtttt ggcctatcaa 240
 agattaagcg a 251

<210> 37160
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946101H1
 <400> 37160

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 ggaggtcccg aagtgtcca acttgaggaa gtggaagatc ccctagtcgg agacgacgag 120
 cttctcatcg gagtccacgc cacttccctt aacagagccg atacctttca gaggaaaggc 180
 tctaccctc ccccttaagg gcgccagcca ttacctcggt ctgcaatgtt ccggaactgt 240
 cttttccctg ggtaaaaacg tttccagctg gaaaa 275

<210> 37161
 <211> 155
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946102H1

<400> 37161

cgggtagagg ctttatggat gtcctttaca tatccctttg cgatgttcat gaatgttact 60
gtgacattca tgaacatcgc aaagggatat gtaaataaat gtcacagtaa cattcctcct 120
tgtttgtttg catgcttggt gatctgtatg aatga 155

<210> 37162

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700946105H1

<400> 37162

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gccatcaagt gtggggctcc tacgcggggt ccgctagctc catcgtcaac cttccaaggt 120
caaacagatt tcctggaagc caagagcttt cgtttatgaa ggtttcctca cggatttgga 180
atgcgaccac ttgatctctt tagccaaatc ggagcttaag agatctgccg tagcggataa 240
tctctctgga gagagccagt taagt 265

<210> 37163

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700946106H1

<400> 37163

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aataaggctc agactccaga gaaaaaatta attttttttc tggtagataa ataagtttgt 120
ttgtttatgt ataaaattat gatatcagat agataaataa aatcatgaaa tcaataagac 180
catggtttca gtattttttt tctatctgaa aaaaaaagaa agactccttg tatttgcaat 240
gtcataacat aaattgtata a 261

<210> 37164

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700946107H1

<400> 37164

gatggatatg ctgataaata gttttttaag acttttatatt atctcaactc tcaagaaaca 60
 ttgatgcaca ccaaacaaat aactgtttga gtgcagtact gcagtaataa gtaattatgt 120
 gcttggtgag cctgctgcta atttgctagg ttgattcaaa tacttggttt aagtggccaa 180
 ttcataattt atttttttac catttcaagt tgcactctct atctgttgct tctcatataa 240
 ttttttgtaa tagtggtgaa 260

<210> 37165

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700946072H1

<400> 37165

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 cgaaacgctg tcgttgccgc actcgcggcg ttgggtctac tcgcggcgag tgtggcggtg 120
 gatgctcagg agaactcgga cgtgaagacg ctggtgaagt acaagcacgg gaagaagtac 180
 tgcgacaaag gatgggaatg taagggctgg tcaatttact gttgtaacct ca 232

<210> 37166

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946108H1

<400> 37166

cacaccatta accaccacct cttaaata ttttccataa atcaccaaaa tttcccattt 60
 ttttcacctc catcgtttca cccactgaat cacagttttc ttttcttttt ttctaacaaa 120
 aatcgcttct gcacacacaa ggattcaggg attggtgaat tacgatattt taattattga 180
 ttggtagcat gttttggcta gaatttggat aattgctttt gattatcaga ggcagaagga 240
 aacaatacct tgaaagtaga taga 264

<210> 37167
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946109H1

<400> 37167

ggcacacagt gcattcatca acttactttc acagatgatc cagattttcca aaatacattt 60
 ctctataaac tgtgtaagca gaagaccttg gaacatttta ggaatattat tctgctatct 120
 tccccccagg atggttatgt gccttaccat tctgctagaa ttgaatcatg ccaggctgct 180
 tcacgtgaca cttcaaagaa gggtaaactg ttccctagaga tgttgaatgc ttgtttggga 240
 caaatccgt 249

<210> 37168
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946044H1

<400> 37168

caggggtgga aatggcaggt tcttgaagac tgctgcatat ggacactttg gcagagatga 60
 ccctgacttc acatgggaag tggatgaagcc actcaagggg gagaaggtag ctgcttaact 120
 aaaaggggtt ccacactctt ggcaagggaac ttttgacta ctactggctt cttattatct 180
 gattgctaaa attttctcta tgcttccttc cctcttactc aattctgttt ttttttttct 240
 gtattttttt 249

<210> 37169
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946045H1

<400> 37169

ctcgagccga ttccggtcga gaacacatgg ggcttcgtct tctcgaacaa cctcctctca 60
 gttatgatgg ctcccttttag ctcccttcgtc accggcgaga acgtcgagat tatcgccgcg 120

gtagatccg gcggcctttt cgaccccgcc gccttctacg ccgtctccct gtcttgctc 180
 ttcggcttgc tcattagttt cttcgggttc gcggccagga gggccgtttc cgccaccg 240
 ttcaccgtca ccggcgtg 258

<210> 37170
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946046H1
 <400> 37170

caagcagggc tttcttggtt agcaaaacct gtcactggac agagtcttat tggccttgcg 60
 tcacgccatg gaagcatcat caaccaaagc atgcccctca tggatcctct ggtgacactg 120
 tttggtagca ttcattgagag gctccccgag acaggagcag gaggaagcat gcgaacactc 180
 tgttttcaaaa ttttgaagc atgttcagca ctgctgagcc gcatgctaaa agtgaacagt 240
 gggatgaaga gagc 254

<210> 37171
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946047H1
 <400> 37171

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 acaggtgctt tggggcagta tgtctgtgtc atgccggata tgtaagctcc aacagtgcct 120
 gaatgaagct gtggaaatca cgacatggaa cgcctagaaa attaattggca tcctgtaatg 180
 ctgtaccgtg tatatcaatc tttggtattt acgtatcata cgttcgtgta agtacaatta 240
 atttgttgaa atgcatattt 260

<210> 37172
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946048H1

<400> 37172
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 aagctgaagc acagagggaa gacgccaaac ttgagagctc tagtaaatca ataatttcct 120
 gtaaaaacag caatgggaat gatgaagatg gtcttggtat gaggtcacat cttacagtat 180
 gctagattct gtaggtgaag aaaaaagact ttctgctgaa taccttcaga agtctgatgc 240
 aattgacata aatgcagaga ctac 264

<210> 37173
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946049H1

<400> 37173
 agtgatcgct gcggcattgt atggattcat ttacccttg gtggagttgg tgtacaaaaa 60
 aatcaaacag cctcttactt actctcttgt catggagatt cagttcgta tgtgcttctc 120
 cgccactctc ttttgccctcc ttggaatgat catcaacaat gaacttaagg gtgattcgga 180
 ggaaacccaa aaaatttaag cacggagaag gaagtactaa gctggttttg gtgg 234

<210> 37174
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946050H1

<400> 37174
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 cgcagggaca cgactcagtc aaacagtcgg taactctttc ttttcttttc tttctttctc 120
 cgatcgcatc gctcgcaacc acaatcatgc cttcccgaag aagaactctc ttgaaggatca 180
 tcattctcgg tgacagcggg gtggggaaga cgtctttgat gaaccagtat gtgattagga 240
 agt 243

<210> 37175
 <211> 255
 <212> DNA

<213> Glycine max

<223> Clone ID: 700946051H1

<400> 37175

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ggagtattcc aagtttgcag aaaaagccac agcactgctt gaaatccttt ccaactccga   60
agaaggacga actgcaatct caattgcaga tgggtggaatc ttaacgctag tagagacagt  120
tgaagatgga tcacttgta gacagaaca cgctgttgga actctgctat cattatgtcg  180
aagctgtcga gataaatacc gggagctgat tcaggaagaa ggagcaattc cgggtctggt  240
acgtctgaca gtgga                                                    255

```

<210> 37176

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700946052H1

<400> 37176

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gtgaattggc ttttctgtgc ccctatgcgc acccccacaa tctaggtcta accttgataa   60
attcagtttt ttctatttca aggatgtgag ggtgttctag ctgattatgc agaacatgaa  120
attcctattc tggctggagc agtttgatca agtcaagcat gaagtgaagt tgccctgttat  180
taggtattct ctctttctca taattgcccc cagggatttg gttggagata tgttatagtt  240
atactacaca gatatac                                                    257

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<210> 37177

<211> 91

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700946053H1

<400> 37177

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ggcggcggttg ggaagttccc gntgaattca ccgggaaggg cgcgatcggg caggtctgcc   60
atgtcattgg tgccgtcgtc tatgtcatat t                                                    91

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<210> 37178

<211> 252

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700946057H1

 <400> 37178

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 tccacaacct ctgtcacctc acaatttcag agacctcttc gattccgctc aagcttttct 120
 cttcgactgc gacgggtgtga tttggaaggg cgacgaactc atcgatggtg ttccgcaaac 180
 tetggacatg cttcgcgcca agggcaagaa gctcgtcttc gtcaccaaca attcctggaa 240
 gtcggttct ca 252

<210> 37179
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946058H1

 <400> 37179

 ctctctccaa atttctaggg tttggttcag agagagagga acctcaaattg tctcaaaacg 60
 ggaagctgat gccaaatcta gaccagcaca gcaccaagct tctcaatctc actgttctcc 120
 aacgaatcga ccccttcgtt gaagaaattc tcatcaccgc cgcacatgtc accttctacg 180
 agttcaacat cgacctcagt caatggagcc gcacagacgt tgaaggatct ctcttcgt 238

<210> 37180
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946059H1

 <400> 37180

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 aatttttatt ttattttatt tgtgttcttt gatttgacta tctccacctg ttgtgatgaa 120
 tcgtgttggt gtagttggaa agcaagcatg aagctgcaca agcttatggt gacgctgcgc 180
 attgctataa aaaaactaat ataaatgagt ctgtatcttg cttagacaat gctgtaaata 240
 tcttctgtgg aga 253

<210> 37181
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946060H1

<400> 37181

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 tgatctctct ctccggcgat ccccgcccat cctccgcca tgagttccgg cgagctcctc 120
 cacatacagc cccaggagct gcagtttccc tttgaattgc ggaagcagat ctctgtctct 180
 ttgcagttgt ctaacaagac tgacaactat gtggctttca ctgtcaagac aacaaatcct 240
 aagaactatt gtgt 254

<210> 37182
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946061H1

<400> 37182

gtttcgtaag attaggtttt tgttctctct ctctctgatt cgatcgattt cgattgttga 60
 attcatcaca tcacggagcc ctgtacgttg acaacgatgg tgctgccgct atttactgct 120
 ttcatctctt ttgcttttat tccgaatggc ttgtagcag ttccttccac cgtcccggca 180
 ttcccttggc catcacatta tgaactggcc tctgaaaata tattgacggc atctgtaaat 240
 taccaagtca tttct 255

<210> 37183
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946062H1

<400> 37183

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 tcctccaccc ttatatccaa acacaaggaa gctccaatcg cttgtggctt ctagcattca 120

tatcaatcct caccctcgct tttctcgta ccctaattta tacaagagaa tccaccttca 180
 tcaccgctgc cacttcttct gtgattccct cttcaaataa tgctgcagtt tctgggtttg 240
 gcagtgtctc tt 252

<210> 37184
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946063H1

<400> 37184

tcaaaacact cataacacaa ggcacaaagc aaagctcatc cttgagttaa aaaatggcag 60
 cagcttcttc catggctctc tcatcccat ccttggtgg caaggcgtg aagctgggcc 120
 catcagcccc agaagtggga agggtgagca tgaggaagac cgtcaccaag caggtctcct 180
 caggaagccc atggtacggc ccagaccgag tcaagtactt gggcccatc tctggcgagc 240
 ccccgctcta cctaaccg 258

<210> 37185
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946064H1

<400> 37185

gtggctaact atgagtatgg atttttctgg cacttttatac aggatggaaa aatagaagca 60
 gaggtcaagc tcacaggaat tctcagctta ggagcattgc aaccaggtga aactcgaaaa 120
 tatggcacia ccattgcacc tggataatag gggctgggtca acaacaattt tttggtgccc 180
 gtatggacat ggcactagat tgcaagcctg gtgaagcatt taatcaggtt gttgaggtga 240
 atgtcaaagt tgaaa 255

<210> 37186
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946065H1

<210> 37189
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946068H1

<400> 37189

agttttctcaa caccataatt gatgaccttt ttgcctttgt cattaaaatg ccaacactcc 60
 atcggcctttc tgtcttccgt gatgatctta tctttgtcat atacttatac cagaggtgga 120
 ttataaaagt ggacaagaaa cgtgttaatg aatttggttt tggaggcgag gatgatcagg 180
 ttgtggcaga gacagacgcc acaaaggaag aagagaacac tacaacggaa gaagagaaga 240
 aaactaattg attt 254

<210> 37190
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946069H1

<400> 37190

ggttaacgaa acggtgcggt ggtgtgcttt gttgtagtgc tctccgatca tcatcgagaa 60
 tgcgcaatct ggctgcacct cattccttgg gggttttcat ctttcgcccc aataagcctc 120
 cttttctcat tctccctca atctctcgaa gatctctccc ttccatccag tgcggtgcag 180
 ttcaattcgg cccctgcac gatatccaca aagggaaagt gaagcaaatt gtagggcca 240
 cccttcaaga cttg 254

<210> 37191
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700946070H1

<400> 37191

gcacaatgga gataattttg cagctgaaat tcagaatagg ttgagaataa ttgttgagg 60
 tggagatggt actgccagct ggcttctagg agttgtatct gaccttaaat tacctcaacc 120

gccaccaatt gctactgtgc cattggggac gggaaataat cttccctttg cgtttggatg 180
 gggaaagaaa aatccaacca cggatctcca atcagtggag acattcctan atcatgtana 240
 agcggc 246

<210> 37192
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946071H1
 <400> 37192

cacaattctc tgtgaacttt ctagaatctc gttcttcctt tgccttctcc ttcttcttca 60
 accctttttc tttctctttc tttcgcaactt tcattctcta aaaaaatcta agtccctttg 120
 gtcttcatct tctgtttctga tccaggtatg gcttctaaac gcatcttgaa ggagctcaag 180
 gatttgcaga aggatcctcc tacctcatgc agtgcaggcc ctggtgctga ggacatgttt 240
 cactggca 248

<210> 37193
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946043H1
 <400> 37193

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 gatgatcacc gtgatgatgg tcgccgacac cgtcgcagta accaccgcca aaggcctcgg 120
 cgtccttcgc gcctgccaat ccacctgtaa cttttccctc gccgatcaga tctccgccat 180
 gattcagact tacgacgccg tctcgccgcc gccggtcaag cctactacct acaggctaag 240
 acgccggacg ctctccgg 259

<210> 37194
 <211> 213
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946011H1

<400> 37194

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acttgacta gctggagctg aggcatactg caagcatcat gggatccagg ggaaaaatat 120
tgtagcaata accagtggag caaacatgaa ttttgataaa cttcggggtg taactgaact 180
tgctaattgtt ggtcgtaaac aagaggctgt gct 213

<210> 37195

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700946012H1

<400> 37195

caaagtttta tattaagaaa atccagttaa atgactcaaa tctttgcgat ggccatttgt 60
ttaggggtgaa tttgtttaaa ctaagtaact ttaaaataag tgttttttat ataagcgctt 120
ttttatgaag tagataggat ttactttcta aaataagcag aaatagttta gacaaaacac 180
actaaaaaat caaaaaaact tcttattatt aaaacaagcg gttatttcca ccaataagtt 240
taaacaaatt ggcccttaat ctt 263

<210> 37196

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700946014H1

<400> 37196

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ccaccaattc tttttccatg caaacattag atgcatctgt ccaaagttta gtgaaatcat 120
ggcagagaag gcaaagatgg ctgcatctat tcaccaaate cagcccacaa gatttgaata 180
ttaatagagc attatggcgt actcatttgg ccaattttct ggattcaaca tcggttcgcy 240
tgtttacaat ctcatgctc attg 264

<210> 37197

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700946015H1

<400> 37197

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cgacaccggc gccggcccaa gggcgga 87

<210> 37198

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700946016H1

<400> 37198

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tgctattgta ttgaagatgg aagatggcac tgggtctactt ctccctataa ttgttttgga 120

gatgccaaagt gttctactaa tggcagcaat acgcaatggt cccatagcta gacctacttt 180

gtatcaagta gtgaaggaga tgattgacaa gatggggttac gaagtcaaac ttgtcagagt 240

aaccaggaga gttcatgagg catactt 267

<210> 37199

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700946017H1

<400> 37199

ggcaaaatag atgcttggaa gattccatct tctgaatcag attccctcaa tcaatgggct 60

gaaaggtctc gtttcagagt cggcgatcat cttgtgtgga aatatgagaa tgggaaggac 120

tcagtgttgg aagtaacaag ggaagattat gccaatgca gcacatcaa gcccatcaaa 180

gagtacaatg atggaaacac aaaggtgaag ctagagcatg ctgggtccatt ctacttcata 240

agtggagcaa cagggcactg tg 262

<210> 37200

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700946018H1

<400> 37200

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 gatgatcacc atgctagcta tgcttcttgt cggatgattt tcataaggcc ttttgttttg 120
 catggctggt gatacagcat cttccttctc cacttgcattg gccattttct tctctttgct 180
 cctactttct cacttcacta tggccatgct agaacacaat aacttttctc cttcaacatc 240
 taac 244

<210> 37201

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700946019H1

<400> 37201

atgccaatga ggagaagaac aaagaccttg catcacaata tgatgttaag ggattcccaa 60
 caattaatat tctgagaaat tgggggaaga atgttcagga atacaaaggc cccgtgaagc 120
 agatgggctc cgtgactatt tgaagaaaca aagtggctct gcttcaactg aaattaaatc 180
 tgctgatgaa gctactgctt ttattgggtga acataaagtt gctattgttg gag 233

<210> 37202

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700946020H1

<400> 37202

gccaggcgaa tggctctggta cctattgtag agccagcgat cctgggtggat ggacctcatg 60
 acatcaacaa gtgtgctgag gtg 83

<210> 37203

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700946021H1

<400> 37203

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gttgtttatac tatatcccag caaatcacaa gtttggggtg agaattttga tcataaaaaa 120
cttgtaataa caacactagc tgctaattga aagaaggagg agagtaatgg agcacctaata 180
gacacatatac ctgcgtttcc cgggtgggtat gctgatgitt cctggccagg agaagcacac 240
acatatataaa tagaaaag 258

<210> 37204

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700946023H1

<400> 37204

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agagatgaat taaagcgtca gaaggaagaa gagcttgctc ttctttatgc tgatcctttt 120
gatgttgaag cacaaaagaa gattgaagct gccatccgcc agagcaggat tgatgaaaat 180
tggtgctgctg cattagacat aatctggaac cttt 214

<210> 37205

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700946024H1

<400> 37205

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caaggacatc agtggaaatg atgtgagtct gaatgattac agcgggaagg ttctactgat 120
tgtgaatgtc gcctctcaat gtggtttgac acagacaaat tacaagaat tgaatgtatt 180
gtacgagaag tacaagaatc aaggatttga aatcttggca tttccgtgca accagtttgc 240
tgga 244

<210> 37206

<211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946025H1

<400> 37206

attctatcaa gtttatgtaa atatatgctt tgtcttattt tgtttgcaga ttcgtgtatg 60
 ttgaacttct ggaaattcgt aaagatgtcc aatgcccaat ttgccttggc attattaaga 120
 agacaagaac tggtcaggaa tgcttgcacc gtttttgcag ggaatgcatt gataaatcaa 180
 tgcgactagg gaacaatgaa tgccctgctt gtcgcacaca ttgtgccagt cgtcgttcc 240
 tgagagacga tccaaa 256

<210> 37207
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946026H1

<400> 37207

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 tcttagcaac ccggttagaa cgcaagccgg tgatgaccct gatagggttg cattgaacat 120
 aacaagctca gggaaccaag tgaacttgac aacagggtgt gttaacacca cagttggttg 180
 aagtgtttac tccgatcacc agctcgcat ttatcaagtg gacaaggttc ttcttccgag 240
 ggattcttc 249

<210> 37208
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946027H1

<400> 37208

ccagatctca attttctgca atttcactca gaccaggacc ttaaccatgg ctcaacctgc 60
 aagcctcaca agaataggcc ttgctggcct ggctgtgatg ggccaaaacc ttgctctcaa 120
 cattgctgac aaaggctttc ccatttctgt ctacaaccgg accgcgtcca aggttgatga 180

gacagttgaa agagcaaaac aagaaggaaa ccttcctgtg tatggctacc ataacctcaa 240
attctttgtc 250

<210> 37209
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700946029H1

<400> 37209

gtcttgccca gcagcagcat ggtggctggc tccctgtttc tgcaatggat gcggtagcta 60
agattgtaga ggttcctccc atacgggtct atgaggttgc cacattttac tccatgttca 120
accgagctaa ggttgggaag taccatctgt tggtttgggg aacaacacct tgtatgataa 180
gaggttcacg aggaattgaa gaagccttat tgaaacactt gggagtgaag cgcaatgaag 240
taac 244

<210> 37210
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700946030H1

<400> 37210

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agaaaaaggg ggatacgaaa taactatagt ggatgcattg gatgggcgtg aagtgattga 120
tattatacct ccaggaccag aacttcttgt ttcagaaggt gaatctatca aacttgatca 180
gccattaaca agtaatccaa atgtgggtgg atttggtcag ggggatgcgg aaatagtact 240
tcaagatccg ttacgtgt 258

<210> 37211
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700946031H1

<400> 37211

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cagtgtgcag cagcagcagc aacaacaaga gaagaagatg gctctgcaac tatgggagac 120
attgaaggag gccatagttg cctacacggg gctctccccg cccaccttct tcacccttct 180
ggccctgatc ctagecctat actacgtcgt ttctgggctc ttcccctctt ccgacccacg 240
ccacaacacg gctcggggcga ct 262

<210> 37212
<211> 205
<212> DNA
<213> Glycine max
<223> Clone ID: 700946032H1
<400> 37212

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atctccctcg cgtttgtctc agttgaagaa attaaaaagc agaactagag taactcaacg 120
gtctcaacat ttcaagggtt ttcagaattc catatTTTTT cctacggatt tgagttggaa 180
ggagatcgaa gaggtttcta gttgc 205

<210> 37213
<211> 80
<212> DNA
<213> Glycine max
<223> Clone ID: 700946033H1
<400> 37213

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agaattagtg acgatgcata 80

<210> 37214
<211> 196
<212> DNA
<213> Glycine max
<223> Clone ID: 700946034H1
<400> 37214

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ttttgaggct tcttctcaa catgggtcgc gcaactatgt gcctttcaac cccaccacct 120
 accactgcc aaccacagct gtaccacgtg ccgccaccgc tactagagtg agtgaccttc 180
 ttgttccagg cgtcag 196

<210> 37215
 <211> 188
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946035H1
 <400> 37215

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 agagcactgg cgtcagcgcg tgccaagtac gtgcggtgat tacgaactgc ggtcagcacg 180
 tgagatac 188

<210> 37216
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946036H1
 <400> 37216

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 tgttggcact tgagaacaaa ggagcagcag gaaggcactt gtgtgtggaa tctattcgtc 120
 acttttagtga tcttgtggac aaggttgctg agttataccc tgaatacgat gtggctaagt 180
 tgccaaagga taccacaacca gggttgttga gagcaagtgg aaaggatgca tcaaagaagc 240
 tgattgattt aggtctagaa tt 262

<210> 37217
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700946037H1
 <400> 37217

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 ttttacttaa ttggaaagcc acttcgatga ttggtagctg caagaaagga aagccataac 120
 ttggagtgcc ccgagtcgat ttatgttttt caactcaatc tgctgtgctg gtgtgttggc 180
 tcatgtctat gaagcatgga tacagatatg gaccctggac acccatggac atgtacacgc 240
 acagatctcc tgtcactcag 260

<210> 37218
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946038H1

<400> 37218

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 ctagtctgcc ggtg 74

<210> 37219
 <211> 179
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946039H1

<400> 37219

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 ctcttccttc ttaacctctt tcttctgcat ctccgccact tccattgccc cacataactc 120
 ccaaacccaa accctctctc tccgcaccct ccctagagcc accacactcc tctggcccgc 179

<210> 37220
 <211> 127
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946010H1

<400> 37220

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gacgcat

127

<210> 37221
 <211> 129
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946040H1

<400> 37221

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 tagatctgtg cttggatcgc gtccgcaagc tcgccgacaa ctgcaccggc ctacaaggct 120
 tcctcgtct 129

<210> 37222
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946041H1

<400> 37222

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 atgtggtgct cctccccgaa aggtttcagc tgcattgcggc catgttggcc ctgcagtttg 180
 gctatggcgg cttccatgtt gtctcaagag ctgcccttaa acatgggcat t 231

<210> 37223
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946042H1

<400> 37223

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 gatggcagta tcaaacaaaa accttctgcc aagtttaagc atgaaactcc aaaaagtgga 120
 aaatccaagc aagaaacccc aaaggctgcc atttccaaag gaaaacctgt caaaagtggg 180
 ggaaagactg atgttaatgg taccagcaaa gcaagatctg gtttattgaa gagaaaagat 240

tccgagaatg agaactc

257

<210> 37224
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700945972H1

<400> 37224

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atgtgtgtgt tcttatgaag gttgcagtgc tacggagtct atagatttta tgctgcagct 120
tcattagata ccaatttttg tgaatttttc ttgataactt gttcttggtat ttttgttttg 180
tggtgttgat gaagatggct atgggtggcc taatttccgg tgctgggtgtt attattgtta 240
gtttct 246

<210> 37225
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700945974H1

<400> 37225

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gttaccaagg agaaggagaa ggcgccgaag cgcaataaaa tggatatgta cattcgtgtt 120
aaacgtagta agacaacctt cttcatcagg tgcataagcat ctgataaaat tcttgacata 180
aaacagaagt tgcaagaact tggtgatcag ccagctaata atcaacggtt aatt 234

<210> 37226
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700945975H1

<400> 37226

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ctaattattgg tccagtgttg aagaaccaca tgagtgagat gtttgcatat catgcaacca 120

tgatgtctaa cactcttggg acctcaactg ttgtcttcac tagaacgggt ttcattggctg 180
 tcctttctgag ccattatcgt ccttcggggca ccatatttgc ttttacagat gagaagaggg 240
 taaaa 245

<210> 37227
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945976H1
 <400> 37227

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 aaaaatggct aggtggtgca tgatcttggg ggttcttggc cttgccgtgg ttgcaagtgc 120
 cagaaacatg cccaatgacg ctggtttggg ggaccagaag aacttccttg ggtatgggtt 180
 ttcggaatt ggcaacaatg ggcttccctt tgggtgaatg gggtctgggt ttgatggtaa 240
 tat 243

<210> 37228
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700945977H1
 <400> 37228

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 tgtttcactg ttgtgagtt tcaaggctac cgtttatcct ctcttccctc tctgggtcct 120
 gggaaaccct ttggtgggtc ccacattcac aactttgcaa actcacttcc acacaacagc 180
 ttatccaaat tttnncanct tcnaatttcc gaggtttggc ttgtggatat tcaggttgta 240
 aactgt 246

<210> 37229
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945978H1

<400> 37229
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 ctgggggagg tgctgctgct gctgctcctg ctgctgaggc aaagaaggag gaaaaggagg 120
 aggagaaaga ggaatctgat gatgatatgg gtttcagtct cttcgattaa ttggtgtagt 180
 ctattcagct tttttgttca gaacatattc ttaattaaca ctagagcatg agtttgtcaa 240
 agttttgt 248

<210> 37230
 <211> 124
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945980H1

<400> 37230
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 actggcctca aggcaagcgc aggtaaagtg agagccgcag ttaaagtctc agtcccccaa 120
 gcca 124

<210> 37231
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945982H1

<400> 37231
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 gccttttagga ctaagggtgtt tcaccgaac atcaatagca atggtagcat ttgtcttgat 120
 atcctgaagg agcagtggag ccctgcactc accatctcta aggtactgct ttctatctgc 180
 tcattgctga ctgatccaaa tcctgatgat ccacttggtc cggaaatcgc tcacatgtac 240
 aa 242

<210> 37232
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945983H1

<400> 37232

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ccgccgccac tgccactgcc ggcggagacg gtggaggagc gagggagca aatgttcaac 120
gcggagtctt tgagagtgat gcacgagatg ataaaaaagg aagtgaggag ttacatgtca 180
gggatggaag agcaggagtt tgggatcaca atgcaaaccg aagcgattgg gaacgcggtg 240
gt 242

<210> 37233

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700945984H1

<400> 37233

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atcgcgccaa ctcttgtatg atccatcact cagatccttc caattccgct gtctcgcttt 120
gaccgccgcc acacaaaact agcatgttct tcagtgttcc cctttcagat atttgatgcg 180
tggaacgta gggagagttg cccaatctat tcttatgacc catagaagcc ggtctttgg 239

<210> 37234

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700945985H1

<400> 37234

ggacctcat tttcacaacg ctcatgaaa tgaacaacct caacttgcta gatctccctc 60
cgttctccag agactcaa atccatcaacct ctacagttac tgccctaccg aacccttcac 120
ttccaaact 129

<210> 37235

<211> 80

<212> DNA

<213> Glycine max

<223> Clone ID: 700945986H1

<400> 37235

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gccgtcatcc gcgactaccg 80

<210> 37236

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945987H1

<400> 37236

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caggagaaac ttttcattac aagtttacag ttgacaggcc tggtagatat ttctatcatg 120

gacaccatgg tatgcaaaga gcagctgggt tgtatggttc attgatagta gatttgccaa 180

agggacaaaa cgaaccgttt cattacgatg gtgaattcgt ccttcttttt agtgatttgt 240

ggca 244

<210> 37237

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945988H1

<400> 37237

gccacgtctc cttccactgc atttcttcac ttaaccccta aaataaattt catcctatgg 60

ttcatctcca ttgctattgt tgctactatt ttcaccacct atctcttcag aataattctc 120

cattttgaag cagttcgtcg tgagtaccaa catccgatct gtgttaactt cttctttgca 180

ccatggatag cccctttgtt cctagctctt ggagttcccc catcagttac caaggacttg 240

catcaa 246

<210> 37238

<211> 226

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945989H1

<400> 37238

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 ggcgccttcg gatcatgggt ggtcctactc ctctccagc gtggttacac cgtccatgcc 120
 accgtacaag atatcaagga tgaaaatgag acgaaacatt tggaggaaat ggaaggagca 180
 aagagtcac tccatTTTTT tgaaatggat ctctctgaca tcgact 226

<210> 37239
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945990H1

<400> 37239

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 gaagatgtag acacgagtga aggcaacttt ggcactgtta taatccatgg agatgaatta 120
 cataagacca cacaagatgc agattctgca gcttctgtat ctgctctgac cagtggctca 180
 ggagacagat tggctgactc tgggattgag agtcagaaag ttggtattat gaacactgcc 240
 tc 242

<210> 37240
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945991H1

<400> 37240

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 taaagtctgc agttccacac aa 82

<210> 37241
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945992H1

<400> 37241

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 catgaaagtg gcaacagcac acaaccctct gaacaaaact gggtgcttgg cacagtagag 120
 ctcatgttaa gttgtgggtg ttgggctagc ttctttatct tgcaatcttt cactttgaag 180
 atgtaccggg cagagctctc ggtcacagct tggatttgct ttttgggcat ttttgagggt 240
 g 241

<210> 37242

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945993H1

<400> 37242

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 ccagcctgtt ctgaccaac acctagaagg tcaagataat acttattagc atatgatatt 120
 gttgtaccaa tccctttgaa agtgaaagt aataagggtt cttgaaatta ttggtagtga 180
 ataattttga actgcgtggt agtgtgggaa ttcattatat agcttttggt cgttggtatc 240
 taga 244

<210> 37243

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700945994H1

<400> 37243

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 agtcaaaagg tgaagatata gtacctttga agaattatct ggacgtcaa tattttggtg 180
 agattggaat tggcacaccc ccacagccct tcaactgtagt gtttgacact gggagttcca 240
 acctttg 247

<210> 37244
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945995H1

<400> 37244

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 gatttgatc tatggccgct caatttaaag cattttttga tgcaactgga ggcctttggc 120
 gtacacaggc actagcaggg ttcttctata gcaactagttc tcaaggagga ggccaagaaa 180
 ctaccccggt gacatctatt actcagcttg ttcaccatgg attgatcttt gtccccattg 240
 gatacac 247

<210> 37245
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946001H1

<400> 37245

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 gatggcgctca tgaggaatag tggattatct ttatctagaa agtgtacgat ggcacatctt 120
 ttgtacttta aataggtggt gtgggtatcag gctaaatcac ttcagcctgc agattatggt 180
 ctataattag aaatcttagt tatgggtctc tttgtgtgac tgtgtgaaca ataaaattgc 240
 ttatgcctta acatgcagca aaata 265

<210> 37246
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700946002H1

<400> 37246

gggaaactgg gctatccaag atttactcag atgtactatg ctaagcaagg gatcatcacg 60
 gaagagatgc tttactgtgc cactcgtgag aaccttgacc ca 102

<210> 37247
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700946003H1

 <400> 37247

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 atcgatcatg aggtgcaaaa agcagagcca gaacaagtta gttcgaaatca tggcatcgcc 120
 aatcagagca ctgggaaaag cacgtgacat gtacgtgcgg agcattacga actgcggcca 180
 gcacgtgagc tactacggcg gcggcgaccc cacggaaggc gccggaacgt tctcgaggag 240
 ccacagcgtg gccacctcga caac 264

<210> 37248
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700946004H1

 <400> 37248

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 agtaattttg gcagaatctc cgccaagtat cccaaaattt cctccaatct cttcagagtt 120
 ctgcagacat tcattccactt tccctctata aaaccattca caatcccaat ccaacttgca 180
 aaacccaaac ctagggttcc caaatcctaa tcgcactaaa acccagaatg gaagcctctt 240
 tgaagt 246

<210> 37249
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945971H1

 <400> 37249

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 gttcagagaa tggcaacgga ttcttctaata ggtaatggac atcacccaaac aacaacaaag 120

tgactatttta aatatgatct aatgggtccgt attcaccgtt cttatttatt ataataatat 60
 ccatgagttc ttacctgata ctatgtatgt cacgtcacgc gtgagtactc cagtcttaga 120
 tgttttgttt taaatggctg ttttgttggt cagatcactt tgagcaatgg tgaaggctgt 180
 ggcagttctt ggcagcagcg aggggtgtcac tggaactatt ttcttcactc aagagggaaa 240
 tgggtccacca 250

<210> 37253
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945929H1

<400> 37253
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 tttttgtggt aaaaattcac taaaacaaaa aggaagaaaa ctacacacta ctcat tttgtg 180
 ggtattcatg gacctggaag ggaatgatgg ggtaattccc tcttattcac tgtttaggaa 240
 ggccagatat ggtga 255

<210> 37254
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945930H1

<400> 37254
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 tcgagcatcc aacaagtgga aggggacgag tcagttgtgc tgcgcgtgac tcattccaat 120
 ctcaaaacct tcgcctccga catccgcttc tcgcttcacc tcaccgtoga agccgtcaaa 180
 gacaagctct ggaaaaaatg cggcacctct gtcaactcaa tgcacctcca actctacgac 240
 gac 243

<210> 37255
 <211> 255

<212> DNA
<213> Glycine max

<223> Clone ID: 700945931H1

<400> 37255

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accaacaaac gagaagagga gtgagacaag atgggggttg cgttcacgaa gctgttcagc 120
aggttgtttg cgaagaagga aatgaggatt ctgatggtag gtctcgatgc tgctggtaag 180
acaaccatct tgtacaagct caagcttgga gaaatcgta ccaccatccc caccatcgga 240
tttaatgttg agact 255

<210> 37256
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700945932H1

<400> 37256

ctacaaacaa actaattaag caacacacac ttcaatttat cagcatggcc tccgttcagt 60
gccacaaaac ctgcaaagtg agctgccaac aggaaaacca gcacgcctcg tttgggcaga 120
aagtttctga cttgttcaaa gggcatcaac ataatgacca cagctccaat tatgccaccc 180
aaaccaaagt gctttcccaa tcaaggtcag ggtaagccc cttcaccacc aaaactcaaa 240
cacaatgcgg ttgcc 255

<210> 37257
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 700945933H1

<400> 37257

gttgatgtat ttggaccac cggatatttg caagcttgca cgattgaaca gggcgtttcg 60
cgatgcttcg gtggcggatt tcatttggga a 91

<210> 37258
<211> 258

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945934H1

<400> 37258

ggagtccatc gcttagaaac caaaaggctc tctcacgcag tcgcagtgag tgaaaaggaa 60
 aaccctaatt gcggtattct cagtgccttc gagagaaaga aaaaatggca gataatcttg 120
 ttctccgtgg caccatgcgc gcccacaccg acgttgtgac ggcgattgcc actcccatcg 180
 acaactccga catgatcgtc accgcctcac gcgacaaatc catcatcctc tggcatctta 240
 ccaaggagga caagactt 258

<210> 37259
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945936H1

<400> 37259

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 gttgttaagg ctaggggaaa aggcacagaa actcgacaaa tcattgatga agacaaacat 120
 gaagacaaca aaaccattgg cggggactca cagttgaccg ctccgttgct acataagcag 180
 gatgcagaat caggaagcga tgttgatgcc taagtcaagc cttgataaca ttactgcctt 240
 aa 242

<210> 37260
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945938H1

<400> 37260

gtagaaacac gaaactcaga atccatggcg acaccagcga cgacgaagcg aaaaccggtg 60
 ttcgtgaagg tggatcagtt aaaacctggc accaacggcc acacactgac ggtgaagggtg 120
 gtcagttcca agccggtgag aacggtgacc acccgcgycg gtcgaccgac ggtgctagcc 180
 gcgcgcccgt cgcgcattgc cgagtgcctc gtcggcgacg aaaccggaac cataatcttc 240

accgctcgca aa

252

<210> 37261
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945940H1

<400> 37261

atcccccgcc catgtacctc gaaatcgagg tttttgaccg gctcttcggt taaacttaac 60
 cggaagtga ctatgcggcc aatgggggtgc cctcctcgtg cctagttcaa ggtgaagcc 120
 aagaaggag agtgggttacc tggacttggc ctccccaact tacctcaatg gcactcttcc 180
 tggtgacaat ggatttgacc ctctggggct agctgaggac ccagcgaact tgaggtggta 240
 cggtcaagcc g 251

<210> 37262
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945942H1

<400> 37262

cccaaattctc ctcccttagac tgccaacca atatagccat tggatcgaat tcagtctgaa 60
 ttcggtctaa tgggttggga gttctaatta agtctaagga acagaattct gtacatatat 120
 atatttagaa gatcacaggg tgcttgatca gtgggtgtatc aggaacgaca aggtgacgag 180
 gttggcttct gaaaagggtg tgggtgatttt cacaagagac tcttggtgcc tctgctatgc 240
 agtcaacat 249

<210> 37263
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945944H1

<400> 37263

cctttgttca ctcttcttct cttgcggcta gggtttttagc gcacttcttc tagatttaag 60

gaagatcggg aaggaaaagg ttcacatcag tattgtgggc attggccatg tcgactctgg 120
 gaaatccact accactgggc acctgattta caagcttgga ggcattgaca agcgtgttat 180
 tgagaggttt gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt 240
 gctgg 245

<210> 37264
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945946H1

<400> 37264

cgcgcatggt cgccggagaa ctgagccccg accgcgactt cttcatctac agccgccact 60
 tcaaccgcac ggtgctgagc ctgagtcgcc tcatggccgc cctcgaaggc accgaggccg 120
 cctactgcac cgccagcggg atgtccgcca tcgcccgcgt cctcctccag ctctgcagcc 180
 acggcgaaca cgtgggtcgc ctccaaaact ctctacggtg ggaccacgc gtcctctca 240
 cactttctcc cg 252

<210> 37265
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945947H1

<400> 37265

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 gatccggcca cgcctcctcg gagttacgcc attaagaaaa acgccaacgg ttacggcgac 120
 gaagactatt ctctcgtga tttcagcccc ggcctcttgg atctccattg ttttgatacg 180
 gagcttcttc ctgagattac gtcatacaan ttgtatgatt ccgagcctta cattttcggc 240
 aaacaaactg tcag 254

<210> 37266
 <211> 151
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945949H1

<400> 37266

tctcgagccg aatcggctcg aggtttggag aatcccagg atgctaccga gtgtgcggat 60
gacctctcca agcagatgct tatctgtact gctgctgatt tggcgattga ggacacgctt 120
tacgcgttgg ataaggcact tcaggttgga g 151

<210> 37267

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 700945951H1

<400> 37267

ctaggcagca gtgctgctgg aactggaagt gcagtttctt ttagtgatga tcagtatgcc 60
atgcgactat gtagttcaca gccacttcgt agatgtcgca aacgcgtctc tagagcgtct 120
caaa 124

<210> 37268

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700945952H1

<400> 37268

ggctcgagcc gaatcggctc gagcttaagg aatttaagca gactagaggt gctgttgagg 60
atacgттаac agatgcatca tcggttcttg gcggtgatgc cacacttaag attc 114

<210> 37269

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700945955H1

<400> 37269

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tcacatcatcat catcatcccc tcacgcgcca ggtccctcgc tggactgctc caacctgggt 120
 ctcaccatgg ccgattgctt gtccttcgtc accaacggca gcaccatcac aaagccagag 180
 ggcacatgct gctctggttt gaagtctgtt ctcaaaaccg ctccggcgtg tctctgcgag 240
 gctttcaaga 250

<210> 37270
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945956H1
 <400> 37270

cgtcactcct tgctcttagc cctcctcctc ttgcgcgcgc tgtccaccgc cgcgatggcg 60
 gtggccgcgt ccgacgccga cgacatcctg atccgtcagg tggtgccaga tgttgagcga 120
 agcgacacag gaggacaacc tgctgagcgc agctcaccac ttcacctgct tcaaggccaa 180
 gttcgccaag acctacgccca ccaaggacga gcacgatgcc tctcttcggc gtcttcaagt 240
 cc 242

<210> 37271
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945957H1
 <400> 37271

cgagatttca agactgggta cctgaccctc tcacgcgcaa agtccatgtt tgtgagccaa 60
 ttgattggaa cagccatggg ttgtgtaatc gtcctctca cattctggat gttttggact 120
 gcctttgatg ttggctcacc tgatggccct tacaaagcac catatgccgt tatattcagg 180
 gaaatggcca tactcgggtg tcagggatcc tcagagcttc caaagtactg ccttgaaatg 240
 tgcggt 246

<210> 37272
 <211> 185
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945959H1

<400> 37272

ccaaaaataa cccaaactct cctttaaaaa aaaacccgga caccttgga cgggggaaat 60
 ttttaattatc gcggccgtag ccctaccctc tcttcagata atccaattgc ctttctttta 120
 ctccctcact tttccagttt tgaagcgctt ccagtggcga atttagggta ataccctcct 180
 ggtaa 185

<210> 37273

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700945960H1

<400> 37273

gtgaggttca tgtatttata cggaacaaaga aggttttgcg gggatttgat gaagagatta 60
 gagattttgt tgaagaacaa atgtctgtaa gagttattga attccatacc gaggagtctc 120
 ttcaagctat cacgaagtca gcggatggct cattctctgt aaagaccaac aaaggtacag 180
 tggacggttt ctccatatt atgtttgcta caggacgcag acctaatct cagaacttag 240
 gcctg 245

<210> 37274

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945961H1

<400> 37274

atgggttatg agagagtgag agtgctgttt cttctgtttc tgataccact gccaacggtt 60
 ctgggttggg gcaaggatgg ccactatgcc acttgtaaga ttgcacagga gtatcttagt 120
 gaagatgctc tatttgcggt caaacaattg cttccagatt ctgctcaagg tgatcttgct 180
 gccgtttgct ccttgggctg atgaggttgg ccatactcac cgctatcatt ggagcagcgc 240
 ttacatta 249

<210> 37275

<211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945928H1

<400> 37275

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 gctgatctta tgaagccaga agtatttgat tttattgata aacataacct acacgatgca 120
 attcgtggaa aggttgtcca actaatgagg ctagactgca agcgtgcagt tcctttgtta 180
 atccagaata gggacttaat aagtccacct gaagttgtga agcaacttct aaatgcggat 240
 gataagagtg at 252

<210> 37276
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945963H1

<400> 37276

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 tggatcaact gggctgttca tctacggcta ttgcttgtat tactactatg cacgatcaga 120
 tatgtctggt tttatgcaaa cttcgttctt cttcggttac atggcctgca tctgctatgg 180
 cttcttcttc atgcttggtg gtgtaggttt ccgtgcgtct ctgctctttg ttcgtcacat 240
 atacaggt 248

<210> 37277
 <211> 73
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945964H1

<400> 37277

gtcaacatat gagacctctt tactttatga aaattaataa ctagttaata tcttttcggt 60
 ccgtctaaag ctt 73

<210> 37278

<211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945966H1

<400> 37278

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 tatctttctt caatggctga ctgagcctca gcctcagcct cttcttccag aatgtggtgc 120
 tccatccccg aaaggtttca gctgcatgcg gccatgttgg ccctgcagtt tggctatgcc 180
 ggcttccatg ttgtctcaag agctgccctt aacatgggca ttagcaaatt tgttttccca 240
 gtcta 245

<210> 37279
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945967H1

<400> 37279

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 caaaagcgtc aaccggggatc gcagtcgtag tccaaacagg gccgcattac ctcaacattc 120
 ccaagggtggc agctttcaca aggcaatgat ggaacgtggg ggatgggata gtgatcgcaa 180
 caagagcttt aaccggggacc gaagccgcag tcctagccct catagacagg tgaagggccc 240
 agcagttcgc 250

<210> 37280
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945969H1

<400> 37280

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 cgatttgagt gggaatttca ttttcgactt ccctgtgatg ccttacacgg tccgcgag 118

<210> 37281

<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 700945970H1

<400> 37281

aggtttctcat ccgctgcttg ccgccccaga gtagataatt tgggtatggg aaactgctgg 60
attgaaggac gaagctgcag cacatcaa at agctgcgatg aagacaatga agagtataca 120
gcagagacat tcccgtgg 138

<210> 37282
<211> 220
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945891H1

<400> 37282

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taaaaagaaa attgctgttt ctctagctga gctattgtat ggtagccatg aaagctttat 120
ttttgtggat ctaagttctg aagaaatgaa aggatgcgat gtgaaattca gagggaagac 180
agcccgtgag tttactggag gggagctntg caagaaaccc 220

<210> 37283
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 700945892H1

<400> 37283

gtggtgcaca tgctggcgca tgtgcgtcct ttacgtctct atccacatca cttgccagt 60
cattgtctga tgtaaagatg ttgtcgctca tcacccttat tgcgtattca ggtctaccac 120
aagcatttgt gtgggctgca ttcacaaagt atgttgtaac tcttgcaatt ggtatttctg 180
gtgtgggtag ttcaatggca gcgtacggg cttt 214

<210> 37284
<211> 212

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945893H1

<400> 37284

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 cttgacccta atgaggtcaa tgaaatctcc atggctaatt ctcgacaaaa cataaggaaa 120
 ttggttaagg atagtttcat tatcaggaag ccaactaaga ttcattcccc ttcccgtagc 180
 tgcagaagta aggaggccta gaggaaggga cg 212

<210> 37285
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945894H1

<400> 37285

gttccattct ttcaaaagcc ttgtgtgctt cttctgatt tctctacttt ttcagtacac 60
 acaacacaac acagacaaaa actctctttc tgttcagttt cc 102

<210> 37286
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945895H1

<400> 37286

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 aactcctatc tatattgatg tagatgatgg gagataaaaa ggtcacaaat gaaggattgc 120
 agcagggcta tgttggtggt ccctgtgcta aacgttttgt tgttctctat tcattcttga 180
 ggagatacca atcagaaaaa gtgatggtct attactcttc atgcaactct gtcaaattcc 240
 atgca 245

<210> 37287
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945896H1

<400> 37287

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agttgcttga gtatcacctt cttactctgg tgtgtcacat tctgatactg ttgctcgcag 120
ttctgttctt gtgggtctaata gccatactt ttatccacaa atctccgcct cgcattccgg 180
aagttcatct tcctgaggag ccattccagc aagttgcgtc tgcaattaga attgaaatca 240
acgggg 246

<210> 37288

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700945901H1

<400> 37288

tacggattct atgttaagcg gagttacacc ctgcgatgac gatcaatgat tatcatttat 60
ataatatgac cctcctcaag ctacctatat cttgttttgt ttctgtcttc aattcactgt 120
aataatgtcc tgctactctt actctcttta attttccttt tctaatacagc atttatattt 180
agacccatag gagtttgagt tttagaaaag gggtttggtt ttccaattga aagaatttcc 240
aagtcgcagt gtcaaagggt g 261

<210> 37289

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700945902H1

<400> 37289

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tggatggtgc agtgcttggt atccaacacc cttgtgggaa gatagagaga ttgtattggc 120
cattcactgc aagtgaggtc atgaggacta aatcctggcc actatgtttc ttgataata 180
ccattgctg tgccaccaca ggagcagaat caagagaaga aactgtgcgt ttcacacgcg 240
ttaagctgct 250

<210> 37290
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945904H1

<400> 37290

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 agaattgacc aactccaac attaaagttt cttgacaagg catgtgtgaa aacagattcg 120
 aacactagtc catggacgct atgcactgtt actcaagtag aggagaccaa acaaatagata 180
 agaatgattc cgatcttggt tgctacattt gtgcctaata ccaagatggc ccagatagat 240
 accctttttg tg 252

<210> 37291
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945905H1

<400> 37291

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 atcaatcatc cattcattat tcatcatgta cgtcggcgaa gaaaatcacg ctgaagagtt 120
 cggacggcga ggctttcgag gtggaggagg cggtggcgct ggagtcgcag acgataaagc 180
 acatgatcga gggtgactgc gccgacagcg gcacccctct gccgaacgtg acgagcaaga 240
 tcctggcgaa ggttatcg 258

<210> 37292
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945906H1

<400> 37292

gtgttttgtt taaaaaggta taatgactct gggtattcca acttggtcat ttgaaacctg 60
 aatcaattta tgtggtgaga gattgttata tgctgattga tgctcggata acttatagcg 120

actcaataat ttcaattact tgtgatcttg tgcttgaaga atcaaatgtg ttagttcaca 180
 ttctgtaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagaacgg aaaaaaaaaat 240
 ctggg 245

<210> 37293
 <211> 224
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945907H1
 <400> 37293

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 gaacttcttc tcattacaat cagcacatac cacacgaccc gtttgcgcat cccgtctaca 120
 ggtatcctgg ttatggtcac ccacgagact tgtatgaaat gtactatcat aatgcttatg 180
 gtggtcagct gtttcggatc tgctgggttc cagcatattg ccaa 224

<210> 37294
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945908H1
 <400> 37294

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 tctgattctt tctttgctta gaattccaca gaatactgga gaatacttct tttcaatcac 120
 tccccacctt tggaattcaa gggtttgagc aaggaggagg aagactcatt gctagggcaa 180
 gtggaaatat ggaggtacat gacatgcttc acggactccg tggccttgaa agctgtcata 240
 gagcttcgta tagcggac 258

<210> 37295
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945910H1
 <400> 37295

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 gagaagctcg aaagttagga gtagcagcaa aggagaagaa gaggagcaga gtagtgaaga 120
 aggacagact cagcaactta cccgatgaag tgcttcatcg catactttcc tctttggacg 180
 caaaatcagc tgttcaaacg tgcgttttga gcaagcgatg gacgcacgtt tggacttccc 240
 tcccagtcct caactt 256

<210> 37296
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945911H1

<400> 37296

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 cttcactgtc acctccaagg cctcggatga agacggagac tttgccgaac tatacatggt 120
 caaatggacc acccttctta ttctccaac aacccttctc ataataaact tgggtgggggt 180
 ggttgctggc atctcctatg ccatcaacag tggctaccaa tcttggggac ccctctttgg 240
 taagcttttc ttg 254

<210> 37297
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945913H1

<400> 37297

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 cgatgtggta tatgttcggc ccacctgttc cttgttggtc attgatagag gaaatgctgc 120
 tcttcgacaa atctctcttg accaggagga ctgtgattat cagtctaatt caatttccag 180
 tacagatata cttacagttg ttggtgctgt tatagtagga tatgctacat gtatgcttca 240
 gcagggattt ggatc 255

<210> 37298
 <211> 256

<212> DNA
 <213> Glycine max

<223> Clone ID: 700945914H1

<400> 37298

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 tgtttgtgta ctgctattgc tcaaggcaga aggatcttta gttccattga ttttggtcga 120
 gaatgcagaa tcaaaaggag ctgtttggtt ggatggaagt cccccagctt accactttga 180
 taagggattt ggggaaggta ttaatagctg gattgttcac attgaggag gaggatggtg 240
 caacaatatc gagagt 256

<210> 37299
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945915H1

<400> 37299

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 gttcattttt ttgtctctac tgctgtgctc caacttggtta aactagaagt tcattttattg 120
 ttttcattct tcaatggggg atgctgagaa tgcccttcca cctacaaaga aaaatactgc 180
 tggaaggag ctcaactcgag acactcccat tgatgatgag gaagatgccc ccgagcttga 240
 gactggcact ttcaagaga 259

<210> 37300
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945917H1

<400> 37300

aaaatggcca aaccataaaa gatgtcgcca ccggggtacc ggctacgcca tttgattatg 60
 gggccggaca cgttgatcca gtggctgcgt ttgatcctgg tcttgtgtat gatacttccg 120
 tggatgacta cttgagcttc ttctgtgcct taaactacag ttctatcaa ataaagcttg 180
 ttgcaagaag agacttcacc tgcagcaaaa ggaacaatta cagagtggaa gatctcaatt 240

acccatcttt tgctgttcct

260

<210> 37301
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 700945919H1

<400> 37301

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cagggtcatgg acaagttagt gcttctggca tgtgcagtg atgcagatca tcgtgcgtaa 120
catgctggat gctatcagac tcacgagcag atacacaaga gactagaata tcagtcgtga 180
ggccatgagc atg 193

<210> 37302
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700945920H1

<400> 37302

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aagatgtacc cagacttgag ctacactgag tcaaccacca ccgagacctt ggatcatggga 120
gtggcacctg ttaaggctca atttgagggt gctgaaatgg gtgtgcccgc tgagaacgat 180
ggctgcaaat gtggacaaaa ctgctcctgc aaccctgca cttgcaagtg aggtgttggg 240
agagcaagct tcaa 254

<210> 37303
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700945923H1

<400> 37303

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aagatcacct tccccatttc tggtagacag cctggcccaa gggagaatct cctacagtgc 180
 tttataaagc gcaacgggtc caccccaaca tactattggt ttctcagttt aaccagtacg 240
 ctagctgaag atggg 255

<210> 37304
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945924H1
 <400> 37304

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 tcctgggtca cgaggttatc attggatgtg ggattctcgc cttttactct acggaagctg 180
 ggaatttcta aggtatctac tcccgaattc gagacggtgg ctggatgaat acaagtttga 240
 tggatttcgg tt 252

<210> 37305
 <211> 175
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945925H1
 <400> 37305

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 caagccctaa tttccctca tttccatggc cacagaagac cccactgtcg cgggtgaacc 120
 cgctcccgaa cctgcctccg ccgacccctc cccggaggag aaggaggaga ccaaa 175

<210> 37306
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945926H1
 <400> 37306

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atcagctatt agagttgggt ctttccaagg ggaggaaata tatgccccat tcaagagcct 120
 gcttccaatg gtaaaccctg atgatgttgt gtttggggga tgggatatca gtaacttgaa 180
 cctggcagat gccatggcca gggccaaggt gtttgatata gacctgcaga aacagttgag 240
 gccttacatg g 251

<210> 37307
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945890H1

<400> 37307

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 ctctgaaatt cagaaatgac atctgcaatg ccaaggctgt tgcggcgacg cantgccaac 180
 atacantcgn tgagccgtgt atttggaacc caacaagccn ctcaccagct aggaa 235

<210> 37308
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945927H1

<400> 37308

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 ccaaaagctt tccgagcttg ggtttgctga tgcctaagca acgttttaggg gattgttgaa 180
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 tgtggggt 248

<210> 37309
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945840H1

<400> 37309

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aagtagctct tttgacttag cgacgatgag aagacaacca cagagacact agtagtgggc 180
gttgggtcag tgaatgccca aatggatggg gccgtaatgg 220

<210> 37310

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700945841H1

<400> 37310

cggtggtaga agacagaggc cgtcttatcc gatcagcata cattcggcga tattatcaca 60
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<210> 37311

<211> 231

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945842H1

<400> 37311

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tcgttggaat cgttatggcc cctccttcat tcgtagttct caatctcttt tttttctttc 120
tttttctttt tctttttatt ttgttgcta agattacgat gntgagtant ttggaagcgt 180
gtttttaagg gaaggggtna tgaggangtc gtcgtgtatg taggggcaga g 231

<210> 37312

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700945843H1

<400> 37312

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tttccactct caaatt 76

<210> 37313
<211> 142
<212> DNA
<213> Glycine max

<223> Clone ID: 700945844H1

<400> 37313

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attaccctga ggcctttgat catggatgag ttgcgcttgg ccatgtgact agttggctgt 120
aagtttagcg tcggatggca cc 142

<210> 37314
<211> 164
<212> DNA
<213> Glycine max

<223> Clone ID: 700945845H1

<400> 37314

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tagatctgag tcaatgagcg agtgcattc gatccacatt ggatcatgctg gtatccaggt 120
cggaatgct tgctgtgaac tctactgtct cgagcacggc atcg 164

<210> 37315
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 700945847H1

<400> 37315

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ctagtctgcc ggtg 74

<210> 37316
<211> 81

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700945848H1

 <400> 37316

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 ccgtgatcac gcaattattg t 81

 <210> 37317
 <211> 168
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945849H1

 <400> 37317

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 tgctcatcag gaagaggggt ttctctgaga ctgaaactgg tcatgaagat gagtctgcc 120
 ccactgtgga tttgatgctt aaatctttct cgaaggaggc cgcaacca 168

 <210> 37318
 <211> 210
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700945850H1

 <400> 37318

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 caattctccg ggcacatctc cggtcaggtt ccggcagcct ctccggcgac tcggcatggc 120
 aactcaatga atgcggaant accgccgggg caccacangn cggnatccag tactccgac 180
 natgaccacc tctgctgcga ggacacctcc 210

 <210> 37319
 <211> 171
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945851H1

<400> 37319
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gagaagcata taattcctga gtcaatatag aatttgtgaa gtcagtccaa acttcagttt 120
caaagatgcc acgaggaacg catgaagatg tactgaacag cgccaaagga a 171

<210> 37320
<211> 136
<212> DNA
<213> Glycine max
<223> Clone ID: 700945852H1

<400> 37320
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tgatagaatt gtgagaaaag gttcaatcaa tacgcatggt cgtcattgga aaggcgctga 120
cattgttgta ttaaca 136

<210> 37321
<211> 150
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: 700945853H1

<400> 37321
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ccggttgaaa ctacccgagt gagccatggt tgatggtacc ctaatcctgt ctaatttact 120
tatcatctga gtcgaggaag aacangaagg 150

<210> 37322
<211> 77
<212> DNA
<213> Glycine max
<223> Clone ID: 700945854H1

<400> 37322
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ttcaatgtgt ttcttca 77

<210> 37323
 <211> 183
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945855H1

 <400> 37323

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 ttgaccgagc agagcttcgt cttggccctc gattttgcc taaagtactc tcagtcacaa 120
 cagacaccgt cgtcgacgac gacgacaaca aaggcaccga agcagaccaa ggcggagaag 180
 aag 183

<210> 37324
 <211> 189
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700945856H1

 <400> 37324

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 aaaatggcct ctctccgttt tctcttctta gcttctttct tcattgtttt gtcactttcc 120
 atcaacactt gtgaggggtca aggggcaaan agaaaacgat tggcaccaac anttctgac 180
 cgaggggaac 189

<210> 37325
 <211> 143
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945857H1

 <400> 37325

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 atgctttaga agttattgag tgcttgact ttaattgaat tctgcattat taggtgctgt 120
 ctggctttaa aatttgactt aca 143

<210> 37326
 <211> 225
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700945858H1

<400> 37326

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 aacaaagtta caccagcaag aaagttgtta atgaggttgt cagagatcca catttggtca 120
 ctttataggt taacaaagga aagtgtcaat ggagaggagg cttacaacgt tncgtaggac 180
 gaccatctgt cggaggatat ccntatacct gtcacacatg tagaa 225

<210> 37327
 <211> 69
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945859H1

<400> 37327

gtacaatcgc gtcttctcct ctgtattgag acatggccga agaagaggaa gaatcagagc 60
 tcagcgata 69

<210> 37328
 <211> 63
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945860H1

<400> 37328

gccctgaaga tggtgagagg ctttactgtg aaattcatct cctgaaaaca ttgaagcgca 60
 gcg 63

<210> 37329
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945861H1

<400> 37329

cagtagaaat gaaactcttg gcagaagtgg atcaaccggg aagcggttatt gacagctatg 60
 tgctcactgg atccatgatt actgaaagag aatcctctcc tgattggaat gcccgcggag 120
 tacttgcggt ggagggagct cggatctgcg ctcatatggg aagtagtggg ga 172

<210> 37330

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: 700945865H1

<400> 37330

atttttatta attaaaaaaa attataactc atcagtggca aaagcagttc aaaacaaaat 60
 tacgatgcca atttgcaag gataggaaga taatttgac taatcgatgt cctgtggctc 120
 aaaacatcgt aattttgtat tgaac 145

<210> 37331

<211> 74

<212> DNA

<213> Glycine max

<223> Clone ID: 700945866H1

<400> 37331

ggctcagcgg catcggttga gtgttctgac acatctgtct ctctctcact ttcggtttcg 60
 aaacccaaaac ccta 74

<210> 37332

<211> 64

<212> DNA

<213> Glycine max

<223> Clone ID: 700945868H1

<400> 37332

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 ccct 64

<210> 37333
 <211> 68
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945869H1

<400> 37333

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 atcctgag 68

<210> 37334
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945870H1

<400> 37334

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 gatccactaa ctgaaggaga aatggggctg acattcacca agcttttcag cgggactttt 120
 cgccaagaag gaaagtcgaa tgctgtaggc ggggctcgat gcagctggta atacc 175

<210> 37335
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945838H1

<400> 37335

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 aatctgggac gaagctctga aatcctccgc aaagccacat c 101

<210> 37336
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945873H1

<400> 37336

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002220-CTTFS60

tggagcactt attattggag tccaccagct gaagttatct ggttgggaagc cagaagaatg 120
tggtgctatt gaaaatgagc gtcacacacct gagcaaaaga ggccgttctg aaacggaagg 180
aatgtagat ggtc 194

<210> 37337
<211> 156
<212> DNA
<213> Glycine max

<223> Clone ID: 700945875H1

<400> 37337

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gcaattgcct agagatagct ggaggatggt tggtgcgccc tcttccgttt catgtctttt 120
tgctccgtat agttaaccac aacattagcc caatca 156

<210> 37338
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700945879H1

<400> 37338

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aatgaggct tgtggtaatt gcactaaca tattgatgct tgcaagttct tctatggcta 120
tccatgtgaa gactttggtg gccacaaca tgctacaaga gaaggaggga gaacacagta 180
atggtaataa taatgagcat caaatccctc tgaaccgcta tagtgatata catgaaattc 240
ctg 243

<210> 37339
<211> 209
<212> DNA
<213> Glycine max

<223> Clone ID: 700945880H1

<400> 37339

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caccacagtt actgtcatct ccataactgg ccctgtgact ttgatatttt tatgaggagt 120
 tgttgaactt tgcctttttg tgaaccaagc tagtaaattc ccccatgtga actaatttga 180
 tgtaaaaggt agaagttatt attttccat 209

<210> 37340
 <211> 173
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945881H1
 <400> 37340

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 gttggtcagc tcaaggaatt tgagggcaag aagcttgtct ctgccaccaa ggaagggctc 120
 aagcttgacg agagtgaaga tgagaagaag aagcaagaag agtttaagga gaa 173

<210> 37341
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945882H1
 <400> 37341

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 tccactgttt tcgagcatta tagtatagca gcccgggcat tcttcaatgg ctgattgggg 120
 attgccctca caca 134

<210> 37342
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945883H1
 <400> 37342

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 gacgagcatc atggcctcga gagcagtgtc attgttggct atgtgtgtgc ttccggccat 120
 ggttgtggcc agtcgcccag caaagaaccc gttttgcgcg aaggggcgcg tctactgaga 180

cccatgtcgt gctggtggtg agtacctcag caaccaccta c 221

<210> 37343
 <211> 112
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945884H1

<400> 37343

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agttgatggg ttaggtcagg ctcgctcaat ccggatagtc gctaattgga ag 112

<210> 37344
 <211> 172
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945885H1

<400> 37344

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aggntaaaga gggccagcat catctagaag acgagcatca acgtctcggc ga 172

<210> 37345
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945886H1

<400> 37345

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cagttacacg tagttcgagc cgaaagcgat ggaacctcgt cgaacaacca tgcatactga 180

gtcagacaca cgtgcactga ctcgccg 207

<210> 37346

<211> 168
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945887H1

<400> 37346

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aaagctttta ctcactctg tcttcgtttt tgattgattg cttttggact tgccgtggct 120
gctgagcaga gaagaagcac cgcaagngct gtgacggaca aggtaaaag 168

<210> 37347
<211> 170
<212> DNA
<213> Glycine max

<223> Clone ID: 700945888H1

<400> 37347

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cacgtgaaat ggcagttgca gcacgtgagg gttctagacg gcttcagatc ctcaaactctg 120
aagaaaggag gaaaactttt caggcaaatt ccgaatcagt ggagacaaga 170

<210> 37348
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945889H1

<400> 37348

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gtgcagtatg gtgtatgtag acatagagct ctgcttttta agtatttatg tgatcacatg 120
gagccaccag ttccttgtga gcttgtcagg gggtagccag aattttcacc acagtcctgg 180
aagatcaggc tgacnatgag gg 202

<210> 37349
<211> 253
<212> DNA

<213> Glycine max

<223> Clone ID: 700945795H1

<400> 37349

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 tgtaaaggat aagtcaaagc ttttgctttt ggagggcact agctagcaaa gagaggaaac 120
 ttgaggaaac cagaaaacaa aacgtaatgt ctaaagcttt tgaggctatt gcaggtgtta 180
 gagctgaggt ggacaagctc tcaaataagg tgacttccat agaagtagct attaatgggg 240
 ggaacaaagc atc 253

<210> 37350

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945796H1

<400> 37350

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 aagcaagttt gaaccagat caagagctta gaaggttaaa acagatgttt gaagcttgga 120
 aaaaggatta tggggcaaga ctgcgtgaaa caaaagtat tataaataaa cttggaagcg 180
 aagatggcgc acttgagaaa atgaagaaaa agtgggtggg aagaaggacc agtacaagga 240
 taaattgat 249

<210> 37351

<211> 122

<212> DNA

<213> Glycine max

<223> Clone ID: 700945801H1

<400> 37351

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 tctctctcca aaaccttcga tacccatttc gccctgccc cgaaagtcaa cgtctttgtg 120
 aa 122

<210> 37352

<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: 700945803H1

<400> 37352

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gtcccagcgt attggaatgg ttcaaaccga ggaccagtac attttctgct ataagtctat 120
catagagtga actgaagacc atgctcctca gcagcaatat gagtagaagg gcagggatac 180
tgtttaagtt gttagaatgc gattgggggtt acagaaggc 219

<210> 37353
<211> 175
<212> DNA
<213> Glycine max

<223> Clone ID: 700945804H1

<400> 37353

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tccgacgttt ggggcgatga tgatatacagg gcagaaggcg gctcatttgg cgttgaaggc 120
gttggggagg aacaatgcaa ctgaagtaac gtgtgtagaa ggaaggaag aaccc 175

<210> 37354
<211> 168
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945806H1

<400> 37354

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acagctccgc tgctgatgtt gacaaacaat caagtttttc ttctagttat ccattcaatg 120
ggcgagagga aaaaagcata acntctgtcc caanagtaca gggaaagg 168

<210> 37355
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 700945810H1

<400> 37358

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 ccttctcctt caaaagcagc tcaaagatct ttgcaaaaac cccgtcgacg gcttctctgc 120
 cggtttggtc gatgaaacca acactttttg aatggagcgn caccagtant gggccgcccg 180
 agatactcta tgagggggg 199

<210> 37359

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700945811H1

<400> 37359

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 catggaaagc aatggaggca ctctatgact caggcaaggc aagagccata ggagtttagca 120
 atttctcttc aaaaaagctt caagatctca tgaatatagc aagagtgcg cccgcagtta 180
 accaagggga attgcaccca ggacggcagc agccaaagct 220

<210> 37360

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700945812H1

<400> 37360

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 accaaaaacta aaatcatgat gaaaaagcaa tgtctcttgt ccttctcact agcactgcta 120
 gtttcatttt tgtatttcac caccacttta gcccaattat caccagcgtt ctccccctcaa 180
 aaaccagccc aaccgtcccc ttcagca 207

<210> 37361

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700945813H1

<400> 37361

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 ttttgatctg cgaaaatgag agagtgcac gcgatccaca ttggtcaggc tggatatccag 120
 gtcggaaatg cttgctggga gctctactgc ctcgagcacg gcatcgggcc cgatgggcaa 180
 atgccaagtg acaagacagt tggcggctgg tgatgatgct ttcaatactt tctcagcgag 240
 ac 242

<210> 37362

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700945815H1

<400> 37362

cagaagaaca agtagttgag aactaagaag gagaggcaaa tggcgtcctc aatgatctct 60
 tccccagctg ttaccactg 79

<210> 37363

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: 700945816H1

<400> 37363

ggggcttgcg gaaactgagc taaggcttgg actgcctgga aacgtactcg gcactggcac 60
 tg 62

<210> 37364

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700945817H1

<400> 37364

agagtacact actgaagcta atgacaggtg acttgatgcc tagtgatggc atgggccgac 60

<211> 103
<212> DNA
<213> Glycine max

<223> Clone ID: 700945823H1

<400> 37368

gtctgtctcg ttacacatc tctccaacct ttcactttcg tttcgcagtt ttattcgaat 60
ccctctctca atctcctttc caaatggcca gcgttgaggt tgc 103

<210> 37369
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945824H1

<400> 37369

cgttcttctt cttttgttgt tctgtgtttg tgtttgtttt ttctctcacc tgaaaatgtc 60
ttgctgcggt ggtaactgtg gttgcggaag ctctgcaag tgcggcaacg gctgcggagg 120
ctgcaagact taccacgac ttagcaacac ggagncaacc accaccgaga cca 173

<210> 37370
<211> 170
<212> DNA
<213> Glycine max

<223> Clone ID: 700945825H1

<400> 37370

taaataaggt atgagtatat tgcaatgtct gattacttgt taggtgcagg cacaaataga 60
ttataggctg tcaaacttta taggaatagt gaatcttctg tttttgccgt cttgcttaat 120
gagaaacaaa atagtactag cacacttgaa ggccagtcga ccagagggga 170

<210> 37371
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945826H1

<400> 37371
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 gatttttgatt cctacaaggtt ttcattttctc tctcatgatt atgttccaag cttgggttttg 120
 ccatataaaa attaagggga tcattgctgg cctgggactt tgggggtccaa gaggctgaca 180
 tcaattcntn tttcgacatc agcaatgaca ntatccacan cacacaaccg gttgtgtg 238

<210> 37372
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945793H1

<400> 37372
 accacctaag gcacctcaag atttatacga gagctattat aacgcaaaca aatccaacct 60
 gaagttgtat gtttagacgtg tgttcatttc agatgaattt aatgaactgt tgcctaagta 120
 cctaaacttt ttgctggggtc ttgttgattc tgacacattg ccacttaatg tatcgcgaga 180
 aatgcttcag caacatagta gtctaaagac aatcaagaag aaacttatta ggaaagccct 240
 tgatatgatc cg 252

<210> 37373
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945827H1

<400> 37373
 tctttcgcca ctcagagaca aagatgaaag agagaagaaa gtgaaacgca gtatagcctt 60
 gccgtttttg aaaagaacgc taaacgacga agcaaaacgc gttcgtaaca gaagaaaaga 120
 aaagaaaaga gtaactgaca actgtaccag tagaaaaatt catcgacgtt tctgttattc 180
 agcgacacgc cgaagcggcg aattgagcaa accaaagcga gtagagaagg ttctggaaga 240
 a 241

<210> 37374
 <211> 233
 <212> DNA

<210> 37377
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945831H1

<400> 37377

cataatttgt ttttctcttc tagcttccac tatgtctaaa acacaaatga gaagacatgc 60
 tcttgagaag tgcaggagtg tgaaagagcc acagaaagta ttgaaccaca actttttcac 120
 cagaaacctc aagaaagtgt accctattgg gcttcagaaa agcacctcat ctttgtctct 180
 gtcttcaatt tcattgtctt tgtcacaaaa ctcaaagac tcttcacagg ctgattcttt 240
 gactccact 249

<210> 37378
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945832H1

<400> 37378

aagctgttgt tcgagtgagc gcagcatatg tattctagag attcatgggg tggaccgttg 60
 gagatacacg c 71

<210> 37379
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945833H1

<400> 37379

ccctcgagcc gaatcggctc gagcggctcg agctctgcaa ttcactacgt acaattcttc 60
 gttcgttctc tgcagttata tccacctttg agcatcaatg gcggacgctg aaaccttcgc 120
 tttccaggct gagatcaacc atctttgaag gcgcaatagc aacacaatct ata 173

<210> 37380
 <211> 191

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700945834H1
 <400> 37380
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 agtgatccca gatttagaat agctgatata ccagctgctg tatttggtc aagagctcat 120
 ctagaggaga aagctttagc tacaaggaag agggaccgca aagtttttga agaagggcct 180
 ccagcatgtg g 191

<210> 37381
 <211> 77
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945835H1
 <400> 37381
 ctcccattgt tctcgccatt tccaaatcac ccgatctcca caactacgac ctgtcttcca 60
 tcagagtctt gaagtcc 77

<210> 37382
 <211> 67
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945836H1
 <400> 37382
 gccataactt ctattcaagc agtttatgta cccgcagacg atttaaccga tcttgcgcct 60
 gctacga 67

<210> 37383
 <211> 69
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700945837H1
 <400> 37383
 agacaacagc actctctctt gtcgctcttg gcttttgcgt ctgcactcac tctcattcag 60

gcatttcca

69

<210> 37384
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700945754H1

<400> 37384

gctcgtggct tggatgtttc cattccacca ttcattgatc gtacaatact tcgtgctaga 60
gatccacctc gacctgtttt tgatcacatt gaatacaagc cccaccagc catgaagact 120
caacaaccta ctaaaccagg ctcagactcg gataatgcag cagcagcagc agcgggtgtct 180
attttcagac tcacacgtga gcagctcaac aactgaaag ccaagtctaa agaagatggc 240
aacacaatca gctac 255

<210> 37385
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700945755H1

<400> 37385

ctttcgttgg gcttcagttt tcagagagag agaaagagag gaagaggcga tgggagtgtc 60
gtccactatg atcgatcggg aacaactgaa gcccggtgat cacatttact cttggaggca 120
agcgtacatc tatgcacacc acggaatata tgtcggtgat ggaatggcga tccactttac 180
cagaggagca ggtcaagaaa ttggaacagg actgtgttgg acaa 224

<210> 37386
<211> 110
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700945756H1

<400> 37386

ngagctgatg tgacgtgtgc agaaagtggc agaactgtc ttgaaatgct gcagttgcct 60

cacaattttg atgcttgctt catggatatt caaatgccag agatggacgg 110

<210> 37387
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945757H1

<400> 37387

catggagcta catcatagct caagagttgg tagggctcgt tgtttcaatt ggctacatat 60

gcggaataag tccttcaatg ctagggctaa cagttctggc ttgggggaac tcaattgggg 120

atttgatgac acatttaaca atggctttaa attggtggcc agg 163

<210> 37388
 <211> 103
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945758H1

<400> 37388

cgcataatag gaaatcatgg cagatgcgcc ttccgccaga cgagttacgg ctgccaatgt 60

ctctggagct gatgagttgt cctggtataa ttgcttctgg gca 103

<210> 37389
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945759H1

<400> 37389

gttctgatgg gaaaaccttc tactgtctag agatggcaaa atatttcaac cctggtgaag 60

ctgaagccat gaatcagagt gtagcttacc tactgtcaaa gttgagttac attccatcca 120

cactcttcct atcataagtt tcttacgtgg aattcttaga cagagtgcac gtttctgaga 180

aaaagctaag agcacaaggc ttgtgggaag ttcccatcc ttggctgaac cttctgatcc 240

caagg 245

<210> 37390

<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945761H1

<400> 37390

gtggttctgt caggagcaac atggcttgag cctgacccta taagccgatg cttcactgat 60
ggaaatctag ttactggagc tgcattggcca gggcaccctg agttcattgc tcagttgata 120
gcactacttg gtattcaagt atctttctag atgcactttg tgatgtaatt aattatcaat 180
gaataaagct tggcagctctc catatgcatt ttgtatcaaa tattatatgt atgttaaatgt 240
atcttacagt cctgta 256

<210> 37391
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700945762H1

<400> 37391

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atcttctttc acttttttgg cgttgagttc gcatctacta tacagcctag gaatttgggg 120
gaaaggagga catggcatgt aacatttttg ttttgtaatt tgggattatt ttttcaatat 180
caaaaaaaaaa aaaaaaaaaa agggggggcc cccgactatt gaccccttcg ccccgggatt 240
tattccgggc cg 252

<210> 37392
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945763H1

<400> 37392

gaaagtatgg agcctaataca gagtttctctg ccctttgagg ggggaatgga gatgtccttg 60
gatacgtctg atcatacatc agatcttgag agtgaaagga caaatggaaa accaaagaat 120
aaacttcctc gtcctcgtaa tcctctaatt gatgctgttg ctgctcatga caaaagcaag 180

cttaggaagg ttactgaacg ggttatgcct caaattgcac caaaggtaga tgaaagagat 240
tctttactag aacaga 256

<210> 37393
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700945764H1

<400> 37393

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cgccgatcat cctctccgga ggacgtggac agatcctcga agcgccagaa gcaccgccac 120
cacagccacc gccaccgcca cgggagtagc tgacgcgacg gttagattaa attcgattat 180
cgaccaattt gtgcggttcc ttctccagct ccgcacgggc atctccctga cgacgattat 240
gtggatgagg gagaga 256

<210> 37394
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700945765H1

<400> 37394

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ctctctcatc cccatccttg gctggcaagg ccgtgaagct gggcccatca gcccagaag 120
tggaagggt gagcatgagg aagaccgtca ccaagcaggt ctctcagga agcccatggt 180
acggcccaga ccgagtcaag tacttaggcc cattctctgg cgagcccccg tcctacctaa 240
ccggtgagtt ccc 253

<210> 37395
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700945766H1

<400> 37395

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 cccaccagtg atggcaggtt tggctccaga gggaacacaa ttcgatggtc gccaatatga 120
 tgctaagatg agtgaattgc tttccactga tgggcaagaa ttcttcacct cttatgatga 180
 agtgtatgac agctttgatg caatgggatt gcaagagaat cttctgagag gcatagatgc 240
 ttatggtttt gagaagcc 258

<210> 37396
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945767H1

<400> 37396

agacatagca aacgatccaa actctttttt catttgagc atcaaaatga gtggtagcaa 60
 cgatggtagc ggcagctgga gctctagggt tttgaagggt gctagtgcag ctgccgctac 120
 agccgccgtt gccggcggtt tatatgccat tctttcatcc tcaacctctg ctagctctga 180
 gatggaagtg ccgtttggca ggcacggcg tgagagcaaa aaaaatgacg atggtaggtc 240
 cgg 243

<210> 37397
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945770H1

<400> 37397

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 ttggaggaga tgactttaag agtggtcaga ccaaaatgaa atcgggtgtt gtggatttcc 120
 tagtaggggc cggcatcaag ccaacatcta tagtgagtta caaccatttg ggagacaatg 180
 atggcatgca tctctcagcc cctcaaacct tccggtcgaa ggaaatttcc 230

<210> 37398
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945771H1

<400> 37398

ccagtgtgag gcgagacgct tgaaattcct atccccatgt cgaaattcca tgtgatgtca 60

ttagtgtag tggcggtgtt atgggattca ggcgcgt 97

<210> 37399

<211> 97

<212> DNA

<213> Glycine max

<223> Clone ID: 700945772H1

<400> 37399

ggagagacaa cctttaacaa caccaccagc aatgaggagc gcgaaagaga ctctcttctt 60

ccgaacctcc ttcttcttct cctcccgcaa cagatga 97

<210> 37400

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 700945773H1

<400> 37400

agccaaggta ggttaaacac tcttcttcat cgtcgtcgca atgggacgtg tgatccgtgc 60

gcagcgtaag ggagcaggct cgggtcttcaa gtccacacg caccaccgca agggccctgc 120

ccgcttccgg agcctggatt tcggagagcg caacg 155

<210> 37401

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 700945774H1

<400> 37401

cgagaataaa tgcaactacc acaaagactt acgctacaag aaccatattt ttcttgaaaa 60

gtgatggaac cttgacgcca ttggccattg agttaagt 98

<210> 37402

<211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945776H1

 <400> 37402

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 aaaaagagaa attttttaga acaatggagg catcaaagat gaagtttttc ttggtttttg 120
 tgattgccat gttggcgatg gtagcaactg gggtttcagc tgctgaggca cctgccccag 180
 gtccttcac c gatgcgacc accttctttg taccactgc tctgtgttct ctctttgt 238

<210> 37403
 <211> 99
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945777H1

 <400> 37403

 gcgacacgta tcaacttcaa taatcgcatc gcagaagcag ttcccggtgc atctcatcgt 60
 ctccgaaaat gaacgacgca gatgtctcga agcaaatcc 99

<210> 37404
 <211> 100
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945778H1

 <400> 37404

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 gtggaaaatt accagcgttt gagctctcag tctcaaaatg 100

<210> 37405
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700945780H1

 <400> 37405

cgtgaaacaa cagctttcat ggttccattg gtggctggtg atggaaccaa aactcaggca 60
 cttgctatgt gccactcaaa tacttctgga atgaatcatc aaatgcttca tcaacttatg 120
 ggagttgaac ctggaactaa ccctgtttgc catttccttg gaagcaaggc cattttatgg 180
 gtaccaatt tatctgtgga cactgcctat cagaccaaca ttgttgctta attagtccat 240
 gcattctgag ca 252

<210> 37406
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945781H1

<400> 37406

gctgcactag tgatgcttga agcaattgat tgtggaaaac cactagatga agcactggca 60
 gacctggatg atgttattgg ttgttttaac tactatgccg agcttgccaga aggattggac 120
 gcaaagcaaa atgctcctgt atcccttcct atggaaacct tcaagagtta tgttctcaag 180
 gagcccatcg gagttgttgc attaattact ccatgggaact atcctctatt gatggctaca 240
 tggaaagttg ctctgctct agctgct 267

<210> 37407
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700945782H1

<400> 37407

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 aagggcaatg ctcttggtga accctgactt ttttccaaag ggtgccggaa gggagggtgc 120
 cttttgcatg cgaccctagg aacgggctca cgaggggggtt caagttctgc aacacgcacg 180
 tgccgatcca cgtgagggtg caggacctca tagcgaggct cacattgccg gaaaaaatta 240
 ggctcgtc 248

<210> 37408
 <211> 257
 <212> DNA